



**Agenda
City of Cocoa
Regular Meeting**

**May 27, 2025
6:00 PM**

65 Stone Street, Cocoa, FL 32922

I. Opening Matters:

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

II. Approval of Agenda and Minutes:

1. Agenda: Regular Meeting of May 27, 2025.
2. Minutes: Regular Meeting of April 8, 2025.

III. Awards and Presentations:

IV. Delegations:

In accordance with the City Council's rules and procedures, residents or tax-payers of the City (upon any subject of general or public interest), City employees (regarding his/her employment), water and sewer customers (on matters related to the City's water and/or sewer system), and any person on any item on the agenda (except Emergency items, Ministerial items, Quasi-judicial items, and Public Hearing items), may address the City Council under Delegations by filling out a speaker card. Speaker cards are located in the Council Chamber lobby and should be provided to the City Clerk. Please observe the time limit of three (3) minutes while speaking under Delegations. Delegations shall be limited to thirty (30) minutes unless extended by Council.

V. Consent Agenda:

1. Requesting a Date Change for a Previously Approved Street Closure.
2. Approve BAF 25-056-T. Authorize the City Manager to issue a Change Order for \$8,460 to Inliner Solutions for additional cured-in-place pipe lining services (CIPP).
3. To Approve Task Orders 2025-15 and 2025-15.1 with Atlantic Development of Cocoa, Inc., utilizing RFQ# 20-18-COC for the Cocoa Water Plant Road

Culvert Replacement Project, WS25CU, in the amount of \$115,244; Approve a Budget Transfer to the FY2025 Budget, BAF# 25-058-T. Approve a Project Contingency Resolution for \$28,811, total project cost \$144,055.

4. Approve the purchase of the Motorola Mach Alerting System for three fire stations at a total cost of \$324,543 from Motorola Solutions Inc. utilizing Sourcewell cooperative contract 0420421-MOT for the hardware and maintenance. Approve a Resolution to Waive Competitive Bidding for installation and programming services. Approve any Budget Transfers required to move funds between Object Classifications, should any software or maintenance costs need to be transferred out of capital.

*******This Item is Confidential per FS 119.0725 and Not for Public Release*******

5. To Approve Task Order 2025-51 issued under Continuing Services Agreement RFQ-20-03-COC with Jacobs Engineering Group, Inc. in the amount of \$499,334 for Engineering Services for the Dyal Steel Ground Water Storage Tank Replacement Project.
6. Approve a Resolution Amending the FY25 Budget, BAF# 25-065-A for the State of Florida Division of Emergency Management De-Obligation of PW7205, Hurricane DR-4337, IRMA, Vinyl Fencing Reimbursement at Lee Wenner Park and Riverfront Park, Project # ES17HI.
7. Approve the 2025-2026 Brevard County Public Schools and the Emma Jewel Charter Academy School Resource Officer MOUs.
8. Announcement of Travel for Deputy Mayor Weeks to attend IEMO I Class in Boca Raton from June 6-7.
9. Accept the Award of the Florida Local Government Cybersecurity Grant (Round 2), a State of Florida funded grant, for cybersecurity services and platforms and authorize the City Manager to execute the grant agreement.

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VI. Public Hearings:

1. Preliminary PUD Pluckebaum - Lennar Homes, LLC
2. Request to Postpone First Reading of Ordinance 01-2025 Visioning Four Corners Overlay Comprehensive Plan Text Amendment
3. Postponement of First Reading of Ordinance 02-2025 LDR Amendment Creating Four Corners Overlay District

VII. Council Business:

1. UpStart Cocoa Forgivable Loan Application Award - Brevard Shoe Closet
2. Council Approval to Apply for a T-Mobile Hometown Grant for \$50,000.00 for Improvements at Provost Park. Authorize the Director of Communications and Economic Development to Submit the Grant Application.
3. The applicant (Karen Scott) is requesting a reduction of the current Code Enforcement lien of \$4675.00 at the property located at 1501 Harvard Dr., be reduced to the amount of zero.
4. The applicant, One Stop Construction (Jesus Velazquez), is requesting a reduction of the current Code Enforcement Lien of \$12,820.00 for the property located at 1106 Mitchell St., be reduced to the amount of the City's cost.
5. The applicant, Faraway SG LLC., is requesting a reduction of the current Code Enforcement Lien of \$13,820.00 for the property located at 128 Aurora St., be reduced to the amount of \$4,685.
6. The applicant, 535 S Kentucky Land Trust, is requesting a reduction of the current Code Enforcement Lien of \$29,330.00 for the property located at 535 S Kentucky Ave., be reduced to the amount of the City's cost.
7. Approve a Resolution adopting the State Fiscal Year (SFY) 2025-2028 State Housing Initiatives Partnership (SHIP) Program Local Housing Assistance Plan (LHAP) and approve submission of the Final SHIP LHAP to the Florida Housing Finance Corporation for approval. Approve the revised and updated City of Cocoa Housing Program Policies and Procedures which reflect changes as required by the State within the proposed draft of the SFY2025-2028 SHIP LHAP.

VIII. City Business:

IX. Informational Agenda:

1. In accordance with the Financial Operations Manual (FOM) the City Manager shall submit to City Council in the form of an agenda item any approved change orders to construction contracts that the City Council has authorized the City Manager, by resolution, to approve in excess of the City Manager's spending authority.
2. In accordance with City Code, Section 2-74, at the beginning of each month during the fiscal year, the City Manager shall submit to City Council data showing the relation between the estimated and actual income and expenses to date.
3. FY 2025 April Budget Adjustment Report

4. Informational Only - The City of Cocoa's Open Board Vacancies.
5. Bi-Weekly Report for May 8, 2025-May 22, 2025.

X. Reports:

XI. Adjournment:

XII. Notice to the Public:

This is a public meeting. All interested parties may attend in person. 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. Additionally, interested persons may view or listen to the meeting electronically at the following internet sites:

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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 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.

Although members of the public are entitled to be heard by the City Council on certain items on the meeting agenda pursuant to the City Council Rules of Procedure, members of the public are not entitled to an immediate response by either administrative staff members or Council; however, the City Council or administrative staff may provide a response at their discretion.

When presenting before the City Council, all comments or questions should be directed to the Mayor or the chair of the meeting. Comments or questions should not be made directly to administrative staff without permission from the Mayor or chair.

Public debate by individual speakers from the audience on public hearing items shall be limited to three (3) minutes. Applicants or representatives of recognized groups with special interests in a matter shall be limited to ten (10) minutes; and total debate on a single issue shall be limited to thirty (30) minutes. Only one presentation per person per item shall be allowed.

A Council member may add an item to the agenda during the meeting only at the time the agenda is approved. If the item requires action by the Council, then it may be added to the agenda by an affirmative vote of the Council, and written documentation must be submitted at the time the item is added to the agenda. Matters may also be raised by the Council, City Manager or City Attorney under reports and acted upon by the City Council.

This agenda is posted on the Municipal Bulletin Board and at the Central Brevard Library and Reference Center in Cocoa for public review.

CITY COUNCIL AGENDA ITEM

Memo Date: April 18, 2025
Agenda Date: May 27, 2025
File ID: 2025-368
Prepared By: Monica Arsenault, City Clerk
Through: Stockton Whitten, City Manager
Requested Action: Approve the agenda for the May 27, 2025 Regular City Council meeting as written or with amendments.

BACKGROUND:

N/A

PRIORITY AREA CONNECTION:

BUDGETARY IMPACT:

N/A

PREVIOUS ACTION:

N/A

RECOMMENDED MOTION:

Approve the agenda for the May 27, 2025 Regular City Council meeting as written or with amendments.



**Agenda
City of Cocoa
Regular Meeting**

**May 27, 2025
6:00 PM**

65 Stone Street, Cocoa, FL 32922

**This Agenda may be Amended up until or at the
Meeting**

I. Opening Matters:

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

II. Approval of Agenda and Minutes:

1. Agenda: Regular Meeting of May 27, 2025. (2025-368).
2. Minutes: Regular Meeting of April 8, 2025. (2025-369).

III. Awards and Presentations:

IV. Delegations:

In accordance with the City Council's rules and procedures, residents or tax-payers of the City (upon any subject of general or public interest), City employees (regarding his/her employment), water and sewer customers (on matters related to the City's water and/or sewer system), and any person on any item on the agenda (except Emergency items, Ministerial items, Quasi-judicial items, and Public Hearing items), may address the City Council under Delegations by filling out a speaker card. Speaker cards are located in the Council Chamber lobby and should be provided to the City Clerk. Please observe the time limit of three (3) minutes while speaking under Delegations. Delegations shall be limited to thirty (30) minutes unless extended by Council.

V. Consent Agenda:

1. Requesting a Date Change for a Previously Approved Street Closure. (2025-422). (Comm. & Economic Dev. Director)
2. Approve BAF 25-056-T. Authorize the City Manager to issue a Change Order for \$8,460 to Inliner Solutions for additional cured-in-place pipe lining services (CIPP). (2025-358). (Utilities Director)

3. To Approve Task Orders 2025-15 and 2025-15.1 with Atlantic Development of Cocoa, Inc. utilizing RFQ# 20-18-COC for the Cocoa Water Plant Road Culvert Replacement Project, WS25CU, in the amount of \$115,243; To Approve a Budget Transfer to the FY2025 Budget, BAF# 25-058-T. (2025-414). (Utilities Director)
4. Approve the purchase of the Motorola Mach Alerting System for three fire stations at a total cost of \$324,543 from Motorola Solutions Inc. utilizing Sourcewell cooperative contract 0420421-MOT for the hardware and maintenance. Approve a Resolution to Waive Competitive Bidding for installation and programming services. Approve any Budget Transfers required to move funds between Object Classifications, should any software or maintenance costs need to be transferred out of capital. (2025-434). (Fire Chief)

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5. To Approve Task Order 2025-51 issued under Continuing Services Agreement RFQ-20-03-COC with Jacobs Engineering Group, Inc. in the amount of \$499,334 for Engineering Services for the Dyal Steel Ground Water Storage Tank Replacement Project. (2025-457). (Utilities Director)
6. Approve a Resolution Amending the FY25 Budget, BAF# 25-065-A for the State of Florida Division of Emergency Management De-Obligation of PW7205, Hurricane DR-4337, IRMA, Vinyl Fencing Reimbursement at Lee Wenner Park and Riverfront Park, Project # ES17HI. (2025-465). (City Manager)
7. Approve the 2025-2026 Brevard County Public Schools SRO MOU. (2025-466). (Police Chief)
8. Announcement of Travel for Deputy Mayor Weeks to attend IEMO I Class in Boca Raton from June 6-7. (2025-467). (City Clerk)
9. Accept the Award of the Florida Local Government Cybersecurity Grant (Round 2), a State of Florida funded grant, for cybersecurity services and platforms and authorize the City Manager to execute the grant agreement. (2025-484). (Chief Technology Officer)

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VI. Public Hearings:

1. Preliminary PUD Pluckebaum - Lennar Homes, LLC. (2025-383). (Planner)
2. Request to Postpone First Reading of Ordinance 01-2025 Visioning Four Corners Overlay Comprehensive Plan Text Amendment. (2025-480). (Planner)

3. Postponement of First Reading of Ordinance 02-2025 LDR Amendment Creating Four Corners Overlay District. (2025-481). (Planner)

VII. Council Business:

1. UpStart Cocoa Forgivable Loan Application Award - Brevard Shoe Closet. (2025-462). (Comm. & Economic Dev. Director)
2. Council Approval to Apply for a T-Mobile Hometown Grant for \$50,000.00 for Improvements at Provost Park. Authorize the Director of Communications and Economic Development to Submit the Grant Application. (2025-463). (Comm. & Economic Dev. Director)
3. The applicant (Karen Scott) is requesting a reduction of the current Code Enforcement lien of \$4675.00 at the property located at 1501 Harvard Dr., be reduced to the amount of zero. (2025-474). (Community Services Director)
4. The applicant, One Stop Construction (Jesus Velazquez), is requesting a reduction of the current Code Enforcement Lien of \$12,820.00 for the property located at 1106 Mitchell St., be reduced to the amount of the City's cost. (2025-475). (Community Services Director)
5. The applicant, Faraway SG LLC., is requesting a reduction of the current Code Enforcement Lien of \$13,820.00 for the property located at 128 Aurora St., be reduced to the amount of \$4,685. (2025-477). (Community Services Director)
6. The applicant, 535 S Kentucky Land Trust, is requesting a reduction of the current Code Enforcement Lien of \$29,330.00 for the property located at 535 S Kentucky Ave., be reduced to the amount of the City's cost. (2025-478). (Community Services Director)
7. Approve a Resolution adopting the State Fiscal Year (SFY) 2025-2028 State Housing Initiatives Partnership (SHIP) Program Local Housing Assistance Plan (LHAP) and approve submission of the Final SHIP LHAP to the Florida Housing Finance Corporation for approval. Approve the revised and updated City of Cocoa Housing Program Policies and Procedures which reflect changes as required by the State within the proposed draft of the SFY2025-2028 SHIP LHAP. (2025-482). (Community Services Director)

VIII. City Business:

IX. Informational Agenda:

1. Approved change orders to construction contracts that the City Council has authorized the City Manager, by resolution, to approve in excess of the City Manager's spending authority. (2025-459). (Finance Director)

2. Data showing the relation between the estimated and actual income and expenses to date. (2025-460). (Finance Director)
3. FY 2025 April Budget Adjustment Report. (2025-461). (Finance Director)
4. Informational Only - The City of Cocoa's Open Board Vacancies. (2025-476). (City Clerk)
5. Bi-Weekly Report for May 8, 2025-May 22, 2025. (2025-478). (City Manager)

X. Reports:

XI. Adjournment:

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CITY COUNCIL AGENDA ITEM

Memo Date: April 18, 2025
Agenda Date: May 27, 2025
File ID: 2025-369
Prepared By: Monica Arsenault, City Clerk
Through: Monica Arsenault, City Clerk
Requested Action: Approve the April 8, 2025 Regular City Council meeting minutes as written or with amendments.

BACKGROUND:

N/A

PRIORITY AREA CONNECTION:

BUDGETARY IMPACT:

N/A

PREVIOUS ACTION:

N/A

RECOMMENDED MOTION:

Approve the April 8, 2025 Regular City Council meeting minutes as written or with amendments.

MINUTES
City of Cocoa
Regular Meeting of The City Council

April 8, 2025

A Regular City Council Meeting was held on Tuesday, April 8, 2025, in Cocoa City Hall, in City Council Chambers, located at 65 Stone Street, in Cocoa, Florida, 32922, as publicly noticed.

I. Opening Matters:

Mayor Blake called the meeting to order at 6:01 p.m.

Councilmember Hearn provided the invocation, and Deputy Mayor Weeks led the assembly in the Pledge of Allegiance.

The City Clerk took the roll.

PRESENT:	Michael C. Blake	Mayor
	Patricia Weeks	Deputy Mayor
	Alex Goins	Councilmember
	Lavander Hearn	Councilmember
	Lorraine Koss	Councilmember (via phone)
	Anthony Garganese	City Attorney
	Stockton Whitten	City Manager
	Monica Arsenault	City Clerk

ABSENT:

OTHER STAFF MEMBERS PRESENT:

Abby Morgan, Public Works Director; Rebecca Bowman, Finance Director; Charlene Neuterman, Community Services Director; Jonathan Lamm, Fire Chief; Evander Collier, Police Chief; Jack Walsh, Utilities Director; Samantha Senger, Communications and Economic Development Director; Tammy Gemmati,

Administrative Services Director; Robert Beach, Chief Technology Officer; and Megan Crutcher, Helpdesk Support Tech.

II. Approval of Agenda and Minutes:

1. Agenda: Regular Meeting of April 8, 2025. (2025-183).

* **MOTION by Councilmember Hearn; Seconded by Deputy Mayor Weeks to approve the agenda for the Regular City Council meeting of April 8, 2025 as written.**

THE VOTE ON THE MOTION WAS:

AYES: Blake, Weeks, Goins, Hearn, Koss

THE MOTION CARRIED UNANIMOUSLY (5-0)

2. Minutes: (a) Regular Meeting of February 11, 2025. (2025-184).
3. Minutes: (b) Special Meeting of February 18, 2025. (2025-297).

* **MOTION by Deputy Mayor Weeks; Seconded by Councilmember Goins to approve the minutes for the Regular City Council meeting of February 11, 2025 and the Special City Council meeting of February 18, 2025 as written.**

THE VOTE ON THE MOTION WAS:

AYES: Blake, Weeks, Goins, Hearn, Koss

THE MOTION CARRIED UNANIMOUSLY (5-0)

III. Awards and Presentations:

1. Recognize April 13-19, 2025 as National Public Safety Telecommunicators Week. (2025-249). (Police Chief)

Councilmember Hearn read the proclamation into the record.

2. Proclamation recognizing the support of Tax-Exempt Municipal Bonds. (2025-325). (Mayor Blake)

Mayor Blake read the proclamation into the record.

3. Proclamation recognizing the month of April as Fair Housing Month. (2025-327). (Deputy Mayor Weeks)

Deputy Mayor Weeks read the proclamation into the record.

4. Employee recognition presentation of Ron Scherfel, Field Service Representative in Field Services/Finance. (2025-336). (Finance Director)

City Manager Whitten invited the staff from the City's Customer Service Department to the front to recognize one of their own, Mr. Ron Scherfel. He asked Ms. Gemmati to share information about a new program staff has been working on.

Ms. Gemmati presented information on the new City Employee Recognition program.

Ms. Bowman presented Mr. Scherfel with a certificate and a challenger coin and shared a compassionate story about how Mr. Scherfel assisted a citizen who was in distress and needed help. She added that he is the first employee to receive a coin and certificate as part of the new program.

IV. Delegations:

Sara Conkling, 1305 S. Lakemont Dr., Cocoa, came to speak on behalf of her Church, the Unitarian Universalist Congregation Center in Cocoa. She talked about undocumented neighbors who deserve strong community connections and some recent deportations that have happened are not right and appear to be targeted towards people who are of color. They are asking the community to call for compassion and strength and to recognize the dignity of every person.

JB Dennis, 3710 Catalina Dr., Brevard County, wished to file a complaint against the Water Department. He would like to see changes made as he has had several unpleasant experiences with the department. He complained that his water keeps getting shut off even though he keeps making payments on the account. Additionally, the City Manager's secretary refused to set up an appointment with him and the City Manager to discuss these issues.

Ted Fore, 1700 Freda Trl., Brevard County, shared that he has come up with a few new ideas. He explained that he did not realize he could apply for a CDBG grant himself, so he will be pursuing that. He would simply like to ask Council to consider helping him in any way that they can because he needs all the help he can get.

Bobby Britford, Vice President of the Central Brevard Bengals program, thanked the City of Cocoa for their assistance and support of their new program. They are located near the edge of Provost Park and their program supports children and families. He is here tonight to ask Council to continue their support of the community's children.

V. Consent Agenda:

1. To Approve Task Order 2023-31 Amendment 1 with Jacobs Engineering Group, Inc. (Jacobs) for the engineering services for the design and permitting of the above grade wellhead facilities for the Dyal New Well 17 project (WS20DW). (2025-219). (Utilities Director)
 2. Approve a Budget Transfer for FY25, BAF # 25-052-T, by Transferring Funds from 421-4020-536.52-09 (Chemicals) to 421-4020-536.46-00 (Repairs and Maintenance) to keep Accounts solvent due to Unexpected Repairs to High Service Pumps. Authorize a change order of \$60,000 to the existing purchase order to Stewart Electric Motor Works, Inc piggybacking Brevard County contract 22-23-154-AG for a total amount of \$105,000. (2025-264). (Utilities Director)
 3. Announcement of Councilmember Hearn and Councilmember Goins to Attend the Florida League of Cities Legislative Action Days from March 23- March 26, 2025. (2025-272). (Administrative Services Director)
- * **MOTION by Councilmember Hearn; Seconded by Councilmember Goins to approve the Consent agenda.**

THE VOTE ON THE MOTION WAS:

AYES: Blake, Weeks, Goins, Hearn, Koss

THE MOTION CARRIED UNANIMOUSLY (5-0)

VI. Public Hearings:

VII. Council Business:

1. Request Council authorization for the City Manager to engage the Brevard County Manager and Brevard County Board of County Commissioners to extend the sunset date of the Diamond Square Community Redevelopment Agency to 2041. Request Council authorization for the City Manager to engage the Brevard County Manager and Brevard County Board of County Commissioners to remove the cap of \$150,000 in County Tax Increment Funds (TIF) imposed on the Diamond Square Community Redevelopment Agency through an Interlocal Agreement that was approved in 2020. (2025-215). (Community Services Director)

Ms. Neuterman provided the history of the Interlocal Agreement from 2019. She explained that at their last Diamond Square CRA meeting, the board requested that city staff bring forward to Council a request to authorize the City Manager to engage the Brevard County Manager and Brevard County Board of County Commissioners to extend the sunset date of the Diamond Square Community Redevelopment Agency to 2041. They would also like to request Council's authorization for the City Manager to engage the Brevard County Manager and

Brevard County Board of County Commissioners to remove the cap of \$150,000 in County Tax Increment Funds (TIF) imposed on the Diamond Square Community Redevelopment Agency.

- * **MOTION by Mayor Blake; Seconded by Councilmember Goins to approve the item, for discussion.**

Both Councilmember Goins and Deputy Mayor Weeks shared sentiments about the CRAs and encouraged the public to reach out to their local representatives to share the importance of the CRAs and garner support to extend the sunset date.

THE VOTE ON THE MOTION WAS:

AYES: Blake, Weeks, Goins, Hearn, Koss

THE MOTION CARRIED UNANIMOUSLY (5-0)

2. Request City Council approval of changes to the Agenda Due Dates and Publishing Dates and Direct the City Attorney and City Manager to prepare for the Council's consideration changes to the City Council's Rules of Procedure. (2025-338). (City Manager)

Mayor Blake shared that as long as he's been on Council, since about 1998, he has received his agendas on Fridays. He understands that their Rules of Procedure states that Council should receive their agendas by Wednesday evenings, however historically that has never happened and he understands that is one of the things that is going to be addressed.

City Manager Whitten provided an explanation of the agenda process and stated that he would realistically like to have agendas to Council by the close of business on Thursdays and posted online by Fridays at noon.

- * **MOTION by Councilmember Koss; Seconded by Councilmember Goins to direct the City Attorney and City Manager to prepare changes to the City Council's Rules of Procedure for Council's consideration; and to update agenda posting days as follows, with discussion:**

- 1) **Agendas posted to City Council by close of business on Thursdays, prior to a City Council meeting.**
- 2) **Agendas posted to the public on Fridays by noon, prior to a City Council meeting.**

Councilmember Koss shared that she is content with Council receiving the agenda a day earlier, however she is concerned that staff is only giving the public a few extra hours to view it. She has received complaints in the past from constituents who felt they did not have enough time to view the agenda.

THE VOTE ON THE MOTION WAS:

AYES: Blake, Weeks, Goins, Hearn, Koss

THE MOTION CARRIED UNANIMOUSLY (5-0)

3. Consider approval of the creation of a city-wide beautification grant, modeled after the Diamond Square program, to enhance the aesthetic appeal of the City's community. (2025-339). (Councilman Hearn)

Councilmember Hearn shared that this was brought up previously at a workshop, and while Council seemed to agree, a motion was never made. He would like Council to consider making it official by making a motion.

He added that there are some stipulations he would like to include in the program. He would like each grant to be \$500 and allocated to homeowners that own homes that were built prior to 2000 so the funds can go to homes who really need the help.

Overtime, he would like to increase eligibility of the program to include homes that were constructed after the year 2000 so that as homes age they can have the opportunity to apply for the grant.

Deputy Mayor Weeks advised that \$500 will not cover that much. She also shared that he may want to reconsider changing the age of the homes to any homes built prior to 1980.

- * **MOTION by Councilmember Hearn; Seconded by Councilmember Goins to authorize the City Manager to implement the program, allocating \$15,000 dollars total to the program, divided into two parts, \$10,000 dollars for paint and \$5,000 dollars for plants and shrubbery, with discussion.**

It was pointed out that the Diamond Square CRA already has a beautification grant program and that they should be excluded from this program. In response, Councilmember Hearn agreed that is a good point and would like to exclude that area from this program since they already have their own.

Councilmember Goins suggested that they try this as a 1-year pilot program.

City Manager Whitten advised that Council has one more budget workshop in July where this can be discussed further based on how the budget looks and if funding can be found.

Councilmember Hearn wished to amend his motion to include these suggestions.

- * **MOTION AMENDED by Councilmember Hearn; Seconded by Councilmember Goins to authorize the City Manager to find funding for a one-year pilot program, allocating \$15,000 dollars total to the program, divided into two parts, \$10,000 dollars for paint and \$5,000 dollars for plants and shrubbery, to be brought back for further discussion at Council's July Budget Workshop.**

THE VOTE ON THE MOTION WAS:

AYES: Weeks, Goins, Hearn, Koss

NAYES: Blake

THE MOTION CARRIED (4-1)

4. Consider the approval of implementing traffic calming measures, including flashing stop signs, pedestrian signs, and reflectors, in areas of concern such as Park Dr. & N. Carolina Ave., N. Georgia Ave. & Bristol Dr., as well as the curve on Bristol Drive. (2025-40). (Councilman Hearn)

Councilmember Hearn shared that this is a safety issue that he sees every day and it needs to be addressed before someone gets seriously injured. He understands there is a cost associated with the safety measures he is requesting but they shouldn't be too expensive to install. He asked Council for their support.

Ms. Jackie Isom, 1050 Bristol Dr., Cocoa, shared that cars are speeding through her neighborhood consistently and she has come to Council to express her concerns numerous times. She implored Council to do something about this.

James Carrier, 1208 Cambridge Dr., Cocoa, reiterated Ms. Isom's comments and shared that he has personally witnessed speeders on a daily basis in this area. There are a lot of children in the area and there aren't many sidewalks. He was already in a hit in a car accident last year and is worried that one of these speeders will hit a child.

Councilmember Koss agreed with Mr. Carrier and would like to see traffic calming measures installed to protect the safety of citizens.

Councilmember Goins added that he would also like to see traffic calming measures installed along Varr Avenue, Holmes Street and Counts Street. He has received many complaints from citizens who live in those neighborhoods.

Deputy Mayor Weeks shared that there are two intersections at Talbot Boulevard and Mycroft Drive. She is concerned because speeders are blowing the intersections.

Councilmember Koss added that she would like to see traffic calming measures in the Pine Ridge neighborhood along Pineda Street and also on Westchester Drive.

- * **MOTION by Councilmember Hearn; Seconded by Deputy Mayor Weeks to authorize staff to examine the most appropriate traffic calming measures at the following locations:**

- Park Drive
- N. Carolina Avenue
- N. Georgia Avenue & Bristol Drive, including the curve along Bristol Drive
- Varr Avenue
- Holmes Street
- Counts Street
- 2 intersections along Talbot Boulevard and Mycroft Drive
- Pine Ridge neighborhood along Pineda Street
- Westchester Drive

THE VOTE ON THE MOTION WAS:

AYES: Blake, Weeks, Goins, Hearn, Koss

THE MOTION CARRIED UNANIMOUSLY (5-0)

VIII. City Business:

1. Accept the Annual Comprehensive Financial Report (ACFR) for Fiscal Year 2024. (2025-322). (Finance Director)

Ms. Bowman introduced Mr. Joel Knopp, who is a partner with Forvis Mazars. Mr. Knopp gave a presentation on the City's ACFR.

- * **MOTION by Mayor Blake; Seconded by Deputy Mayor Weeks to accept the Annual Comprehensive Financial Report for FY2024.**

THE VOTE ON THE MOTION WAS:

AYES: Blake, Weeks, Goins, Hearn, Koss

THE MOTION CARRIED UNANIMOUSLY (5-0)

2. The applicant (James Carrier) is requesting a reduction of the current Code Enforcement Lien of \$500,910 for the property located at 1208 Cambridge Dr., be reduced to City Cost of \$2,274.72. (2025-286). (Community Services Director) Ms. Neuterman provided a brief history of the property and shared the outcome of the Code Enforcement Board meeting where this case was initially presented.

Councilmember Goins asked how staff reached out to the property owner to provide notice over the course of fourteen years.

In response, Mr. Tom Wilkinson, Code Enforcement Manager, shared that prior to his employment, two letters were sent to the property owner and according to the file, phone conversations were held as well.

It was clarified that a notice was sent via certified mail back in 2009 and again in 2019.

Mr. James Carrier, homeowner of 1208 Cambridge Dr., Cocoa, provided a history of his property. He shared that this started back in 2008 when he attempted to close in his carport. He submitted drawings for a permit but was ultimately denied. He was then told a running lien was placed against his property running at \$100 a day, for thirty days. He explained that he did not realize the lien was still running all these years later because he was never contacted until Mr. Wilkinson reached out to him.

He shared that he is an army veteran and always pays his property taxes on time. He would like Council to consider his request for a lien reduction.

- * **MOTION by Councilmember Koss; Seconded by Deputy Mayor Weeks to approve the Code Board's recommendation to reduce the lien to \$1,333.33.**

THE VOTE ON THE MOTION WAS:

AYES: Weeks, Hearn, Koss

NAYES: Blake, Goins

THE MOTION CARRIED (3-2)

3. The applicant (EquiFrist Properties LLC) is requesting a reduction of the current Code Enforcement Lien of \$281,720 for the property located at 1112 Myrtle Lane, be reduced to \$5,000. (2025-287). (Community Services Director)

Ms. Neuterman provided a brief history of the property and shared the outcome of the Code Enforcement Board meeting where this case was initially presented.

- * **MOTION by Mayor Blake; Seconded by Councilmember Goins to approve staff's recommendation of \$5,000 dollars.**

THE VOTE ON THE MOTION WAS:

AYES: Blake, Weeks, Goins, Koss

NAYES: Hearn

THE MOTION CARRIED (4-1)

4. The applicant (SAI Property Investment Inc.) is requesting a reduction of the current Code Enforcement Lien of \$27,450. for the property located at 1203 Alamanda Lane, be reduced to \$1,000. (2025-289). (Community Services Director)

Ms. Neuterman provided a brief history of the property and shared the outcome of the Code Enforcement Board meeting where this case was initially presented.

Representatives of SAI Property Investments spoke about the history of the property and shared that SAI Property Investments bought the property a few years ago while it was vacant. The owner did not realize that a tax receipt was still required for a rental home that was vacant. He shared that evidence was provided to staff to show that the property has sat vacant for a length of time.

- * **MOTION by Mayor Blake; Seconded by Councilmember Goins to approve a lien reduction in the amount of \$7,000.**

THE VOTE ON THE MOTION WAS:

AYES: Blake, Weeks, Goins, Hearn, Koss

THE MOTION CARRIED (5-0)

5. The applicant (Nicholas Critelli) is requesting a reduction of the current Code Enforcement Lien of \$110,310 for the property located at 1043 Olive Street, be reduced to the City's Cost of \$2,130.53. (2025-290). (Community Services Director)

Ms. Neuterman provided a brief history of the property and shared the outcome of the Code Enforcement Board meeting where this case was initially presented.

Nicholas Critelli, the property owner, talked about his property and how he came into compliance.

- * **MOTION by Deputy Mayor Weeks; Seconded by Mayor Blake to approve a code lien reduction in the amount of \$1,080.50.**

THE VOTE ON THE MOTION WAS:

AYES: Blake, Weeks, Goins, Hearn, Koss

THE MOTION CARRIED UNANIMOUSLY (5-0)

6. The applicant (Glendy Barrios) is requesting a reduction of the current Code Enforcement Lien of \$97,030 for the property located at 1049 Olive Street, be reduced to \$3,000. (2025-291). (Community Services Director)

Ms. Neuterman provided a brief history of the property and shared the outcome of the Code Enforcement Board meeting where this case was initially presented.

- * **MOTION by Mayor Blake; Seconded by Councilmember Goins to approve a code lien reduction in the amount of \$2,674.25.**

THE VOTE ON THE MOTION WAS:

AYES: Blake, Goins, Hearn, Koss

NAYES: Weeks

THE MOTION CARRIED (4-1)

7. The applicant (Johnny & Lillie Dennis) is requesting a reduction of the current Code Enforcement Lien of \$9,400. for the property located at 1235 Homes Street, be reduced to \$2,500. (2025-292). (Community Services Director)

Ms. Neuterman provided a brief history of the property and shared the outcome of the Code Enforcement Board meeting where this case was initially presented. She shared that the property owners were in the audience to answer any questions.

- * **MOTION by Deputy Mayor Weeks; Seconded by Councilmember Hearn to approve a lien reduction in the amount of \$0.**

THE VOTE ON THE MOTION WAS:

AYES: Blake, Weeks, Goins, Hearn, Koss

THE MOTION CARRIED (5-0)

8. The applicant (James Yoder) is requesting a reduction of the current Code Enforcement Lien of \$117,550. for the property located at 312 Belmont Drive, be

Page | 11

reduced to City Cost in the amount of \$2,587.16 (2025-293). (Community Services Director)

Ms. Neuterman provided a brief history of the property and shared the outcome of the Code Enforcement Board meeting where this case was initially presented.

- * **MOTION by Deputy Mayor Weeks; Seconded by Mayor Blake to approve a lien reduction in the amount of \$100.**

THE VOTE ON THE MOTION WAS:

AYES: Blake, Weeks, Goins, Hearn, Koss

THE MOTION CARRIED UNANIMOUSLY (5-0)

9. The applicant (Realty Gems KC LLC.) is requesting a reduction of the current Code Enforcement Lien of \$14,330 for the property located at 3645 Longbow Road, be reduced to the amount of zero. (2025-294). (Community Services Director)

Ms. Neuterman provided a brief history of the property and shared the outcome of the Code Enforcement Board meeting where this case was initially presented. She pointed out that the property owner is here to answer any questions.

Kevin Martinez, the new property owner, bought the property in November of 2023. This was intended to be an investment property and it was his first investment property. He had no experience with title searches and bought the property as-is. He fixed the property as fast as he could to bring it into compliance and he intends to sell the property to a new family who wish to make Cocoa their home.

- * **MOTION by Mayor Blake; Seconded by Councilmember Goins to approve a lien reduction in the amount of \$1,546.68.**

THE VOTE ON THE MOTION WAS:

AYES: Blake, Weeks, Goins, Hearn, Koss

THE MOTION CARRIED (5-0)

IX. Informational Agenda:

1. Informational Only - The City of Cocoa's Open Board Vacancies. (2025-298). (City Clerk)
2. Bi-Weekly Report for March 13, 2025 - April 3, 2025. (2025-300). (City Manager)

X. Reports:

Chief Collier shared that tomorrow, April 9th from 11am-1pm at the Police Department, there will be an awards luncheon for police staff and civilian volunteers if Council would like to attend.

Ms. Senger shared information about the Trash Bash last Saturday and Cocoa came in 1st place.

City Manager Whitten shared that the City is currently accepting applications for the Cocoa Youth Internship program that takes place every summer. The deadline to apply is April 25th and will begin in June and will run for several weeks into July.

Mayor Blake shared photos from the Florida League of Cities conference he attended in Tallahassee at the end of March. He also shared a video that he premiered in for the Florida League of Cities.

Councilmember Goins talked about McNair Middle School and shared that a meeting was held last night to discuss the school. The student population has gone down but he is hopeful that with all the new development it will pick back up.

Additionally, he talked about the Florida League of Cities Legislative conference that he attended with Mayor Blake and expressed that it was a great and productive conference.

Deputy Mayor Weeks shared pictures of a unique paver design that her church did that she would like to see mimicked at the Cocoa Conservation Area. The grass is able to grow in between the pavers because of the design but it's smooth enough that a wheelchair could easily navigate it.

Additionally, Deputy Mayor Weeks shared several photos from events she recently attended, including a book reading event at Saturn Elementary, a Police Walk through Cocoa Village and an event Governor Ron DeSantis attended to speak about Florida's water resources.

Lastly, she reminded everyone that her District 3 Town Hall meeting will be held at the Cocoa Library from 6-7:30pm on April 24th.

XI. Adjournment:

- * MOTION by Deputy Mayor Weeks; Seconded by Councilmember Hearn to adjourn the Regular meeting of April 8, 2025.**

AYES: Blake, Weeks, Goins, Hearn, Koss

THE MOTION CARRIED UNANIMOUSLY (5-0)

The meeting adjourned at 9:28 p.m.

Michael C. Blake, Mayor

ATTEST:

Monica Arsenault, CMC, City Clerk

CITY COUNCIL AGENDA ITEM

Memo Date: May 1, 2025
Agenda Date: May 27, 2025
File ID: 2025-422
Prepared By: Gail Bantugan, Leisure Services Manager
Through: Samantha Senger, Communications & Economic Development Manager
Requested Action: Approve the requested date change for a street closure.

BACKGROUND:

During any given calendar year, the number of street closures approved by the City Council within the Central Business District (CBD) zoning district shall not exceed twenty-four (24) days. Any street closure lasting in excess of four (4) hours shall be counted as one full day, while any street closure of four (4) hours or less shall be counted as one half day per the Special Events Ordinance No. 04-2018.

Original date approved

*Dirty Oar Brewery Anniversary Celebration, Sunday, August 1st, 2025 (11:00am-8:00pm).

Oleander Street: beginning at the east side of Hughlett Street to the entrance of the Dirty Oar Brewery parking lot. Approximately 100 feet.

Total Closure - One Day (Not included in the 24 CBD closures)

Requested date change

*Dirty Oar Brewery Anniversary Celebration, Sunday, August 31st, 2025 (11:00am-8:00pm).

Oleander Street: beginning at the east side of Hughlett Street to the entrance of the Dirty Oar Brewery parking lot. Approximately 100 feet.

Total Closure - One Day (Not included in the 24 CBD closures)

PRIORITY AREA CONNECTION:

Economic and Community Development

BUDGETARY IMPACT:

The City receives \$50.00 for each group that requests a street closure. The MLK event will have the permit fees waived. The event is held on a federal holiday per the special events ordinance section 2-404

PREVIOUS ACTION:

The 2024 Road Closure request for the Dirty Oar was approved last year.

RECOMMENDED MOTION:

Approve the requested date change for a street closure.

CITY COUNCIL AGENDA ITEM

Memo Date: April 15, 2025
Agenda Date: May 27, 2025
File ID: 2025-358
Prepared By: Frank Mirabito
Through: Abigail Morgan, Public Works Director
Requested Action: Approve BAF 25-056-T. Authorize the City Manager to issue a Change Order for \$8,460 to Inliner Solutions for additional cured-in-place pipe lining services (CIPP).

BACKGROUND:

The City's drainage system is comprised of inlets, curbs, concrete and metal pipes, as well as open swales and ditches. Due to material interactions and soil conditions, over time metal pipe corrodes to the point that the pipe allows soil to enter the pipe, impeding stormwater flows. This can cause potential flooding and create subsidence issues.

The Cured-In-Place Pipe Lining process is a technique that involves installing a resin liner into the pipe, filling it with hot water that expands the liner and molds it to the inside of the pipe and cures it. This technique allows the pipe to be repaired without excavation for replacement, thus minimizing disruptions to residents and traffic.

On December 10, 2024 City Council authorized a purchase of \$167,790 for these services. The cleaning of the stormwater pipe was heavier than anticipated and the actual linear footage was slightly more than estimated resulting in an additional \$8,460 in costs over the original quote.

Staff recommend approving the change order and budget modification.

PRIORITY AREA CONNECTION:

Investment in Public Infrastructure

BUDGETARY IMPACT:

Budgeted? Yes

If not budgeted, is amendment / transfer attached? Yes

Source/Use of Funds

Account Number: 423-3570-538.63-00 Amount: \$8,460

Project SW08PL

If a P.O. Change Order is involved, please complete the following:

Change Order Amount: \$8,460

Original Purchase Order Amount: \$167,790

PREVIOUS ACTION:

On December 10, 2024, Council approved the Fiscal Year 2025 cured in place pipe lining with Inliner Solutions LLC.

RECOMMENDED MOTION:

Approve BAF 25-056-T. Authorize the City Manager to issue a Change Order for \$8,460 to Inliner Solutions for additional cured-in-place pipe lining services (CIPP).



SERVICE

Purchase Order

City of Cocoa
65 STONE ST
COCOA, FL 32922
321-433-8833
Purchasing@cocoafl.gov

**PURCHASE
ORDER NO.
083332**

P.O. Date : 12/19/2024

VENDOR PHONE : (407)472-0014

VENDOR NUMBER : 9714

VENDOR ADDRESS : INLINER SOLUTIONS LLC
2531 JEWETT LANE
SANFORD, FL 32771

SHIP TO : JOBSITE
JOBSITE
COCOA, FL 32922

*Above P.O. # **MUST** Appear on ALL Invoices, Packing Slip and Correspondence*

DELIVER BY	REQUISITION #	REQUISITION DATE	CONFIRMED BY	
03/28/2025	0000049338	12/12/2024	FMIRABITO / 3570 / AM	
FOB	ACCOUNT NUMBER		PROJECT #	BUYER
	42335705386300		SW08PL	DIANE KOZLAK

Item #	Quantity / Unit	Description/Remarks	Unit Cost	Extended Cost
1	167,790.00 SUM	CURED IN PLACE PIPE LINING SERVICE (CIPP 001 003 The City of Cocoa is piggybacking off the City of St. Augustine Beach Contract No ITB 23-07-MCA-ILS A-5 - 230 lf @ \$26 - \$5,980 A-129 - 230 lf @ \$497 - \$114,310 A130 - 1,610 lf @ \$24 - \$38,640 C10 - 230 lf @ \$32 - \$7,360 C11 - 6 days @ \$250 - \$1,500	1.0000	167,790.00

TOTAL PURCHASE AMOUNT

\$167,790.00



SERVICE

Purchase Order

City of Cocoa
65 STONE ST
COCOA, FL 32922
321-433-8833
Purchasing@cocoafl.gov

**PURCHASE
ORDER NO.
083332**

Remit Invoice to:

**CITY OF COCOA
ATTN: ACCOUNTS PAYABLE
65 STONE STREET
COCOA, FL 32922**

or

Email: AccountsPayable@cocoafl.gov

AUTHORIZED SIGNATURE -


Purchasing/Contracts Manager

Florida Sales Tax Exemption No. 85-8012621548C-8

1. Do not invoice prior to shipment.
2. Partial shipments must be billed as separate invoices.
3. The right is reserved to cancel order if not filled by specified date.
4. Acceptance of order includes acceptance of all terms, prices, delivery instructions, specifications, and conditions.
5. **IMPORTANT: Invoices and packing slips must bear City Purchase Order #.** Confirm Receipt of PO to Purchasing@cocoafl.gov.

TERMS and CONDITIONS

1. AGREEMENT:

Except as provided in Paragraph 22 below, this purchase order, including these terms, conditions, the referenced bid package, and the specifications hereto, constitute the sole and entire agreement between the parties hereto (hereinafter "Agreement" or "Purchase Order"). **Seller's acceptance of this Agreement is limited to the terms and conditions hereof and written confirmation, commencing performance, or making deliveries hereunder constitutes such acceptance, notwithstanding Seller's proposal or terms additional to or different from those set forth in this Agreement.** The Seller's quotation is incorporated in and made a part of this Agreement only to the extent of specifying the nature and description of the goods and services ordered and then only to the extent that such items are consistent with the other terms of this Agreement. No course of prior dealings between the parties and no usage of the trade shall be relevant to supplement or explain any of the terms or conditions hereof. The Buyer is the City of Cocoa, Florida, (hereinafter referred to as the "City" or "Buyer").

2. TIME IS OF THE ESSENCE:

Failure to perform services or deliver goods of the quality and quantity and within the time limit(s) specified by this Purchase Order shall, at the option of the City, relieve it of any obligation to accept and pay for such goods or services, including any undelivered shipments of goods. Upon failure to deliver as specified, the City may buy like goods or services elsewhere and charge the Seller with any increased cost or other loss incurred thereon, pursuant to applicable law, unless defective shipment of goods, or performance of defective services, as applicable, is agreed to by the City in writing. Any failure by the City to exercise its option with respect to any shipment of goods or performance of services shall not be deemed to constitute a waiver with respect to subsequent shipments of goods or performance of services. This provision is not in lieu of, and the City does not waive any remedies provided by law.

3. WARRANTY:

With respect to services, Seller warrants unto the City that Seller has the competence and abilities to complete the services set forth herein. Seller will perform the services with due and reasonable diligence consistent with sound professional practices. With respect to goods, Seller warrants to City (a) that the goods shall be of the quality specified or of the test grade of their respective kinds if no quality is specified; shall conform to the specifications, drawings, samples and other descriptions contained herein, and to representations made by Seller or its representatives; be fit for City's particular purpose; and (b) that at the time the goods are accepted by the City, the goods shall have been produced, sold, delivered, and furnished in compliance with all applicable Federal and State laws, including but not limited to the Consumer Product Safety Act, the Federal Occupational Safety and Health Act, the Fair Employment Practices Act and the Equal Pay Act, and all applicable municipal: ordinances, regulations, rules, labor agreements, and working conditions to which the goods are subject, (c) that the goods furnished hereunder are free of any claims or liens of whatever nature whether rightful or otherwise of any person, corporation, partnership, or association.

4. MODIFICATIONS:

Except as provided in Paragraph 22, this Agreement can be modified or rescinded only in writing and if signed by both parties, or their duly authorized agents.

5. WAIVER:

The failure of the City to enforce any provision of this Agreement or exercise any right or privilege granted to the City hereunder shall not constitute or be construed as a waiver of any such provision or right and the same shall continue in full force.

6. CITY OPTIONS:

City reserves the right to change specifications and delivery dates. Any difference in price required by such changes shall be equitably adjusted and the Agreement shall be modified in writing accordingly. City further reserves the right to terminate all or part of the work to be performed pursuant to this Agreement. In such event, City shall be liable only for materials or work done within the authorization of this Agreement. In no event shall City be liable for incidental or consequential damages by reason of such termination.

7. INDEMNIFICATION:

Seller agrees to protect, indemnify, save and hold harmless City, its elected and appointed officials, officers, attorneys, and employees, from and against all losses, costs and expenses and from and against all claims, demands, suits and actions for damages, losses, costs, attorney fees, expenses and from and against all liability awards, judgements, and decrees of whatsoever nature for any and all damages to property of the City or others of whatsoever nature and for any and all injury to any person (including death) arising out of or resulting from negligence of Seller, breach of this Purchase Order in the performance of services or the manufacture of goods, from any defect in materials or workmanship, from the failure of the goods to perform to its full capacity as specified in the Purchase Order, specifications of other data, or from the breach of any express or implied warranty.

8. PATENT INDEMNIFICATION:

Seller represents and warrants that it has the right to use any and all intellectual property, either by licensure or ownership, that is supplied, indirectly or directly, under this Purchase Order. Further, the Seller agrees that the City is relying on this representation and warranty to issue this Purchase Order. Seller agrees to hold harmless and to defend City against any claims of patent or copyright infringement occasioned by the manufacturer, sale or use of material supplied under this Purchase Order and to indemnify City, and its elected and appointed officials, officers, attorneys, and employees, against any damages occasioned by such claims whether justified or unjustified.

9. INSPECTION:

City shall have a reasonable time after delivery or performance within which to inspect the goods or services. Goods rejected will, at Seller's expense, be returned to Seller or otherwise disposed of as Seller shall reasonably request. The cost of inspection of goods or services rightfully rejected shall be charged to the Seller. If reasonable inspection disclosed that part of the goods received or services performed are defective or nonconforming, City shall have the right to cancel any shipped portion of the order or unperformed portion of the services. Payment for the goods or services on this Purchase Order prior to inspection shall not constitute acceptance thereof and is without prejudice to any and all claims that City may have against Seller. The making or failure to make any inspection of, or payment for acceptance of, the goods or services, shall in no way impair City's right to reject nonconforming goods or services, recover damages or exercise any other remedy to which City may be entitled, notwithstanding City's knowledge of the nonconformity, its substantiality, or the ease of its discovery.

10. TAXES:

The City government is a non-profit operation and not subject to tax.

11. CONTINGENCIES:

Performance of any obligation under this Agreement may be suspended by either party, without liability, to the extent that an act of God, war, riot, fire, explosion, accident, flood, sabotage, inability to obtain fuel or power, governmental laws, regulations, or orders, or any other cause beyond the reasonable control of such party, or labor trouble, strike, lockout or injunction (whether or not such labor event is within the reasonable control of such party) delays, prevents, restricts or limits the performance of this Agreement or the consumption, sale, use or end use of goods or services. The affected party shall invoke this provision by promptly notifying the other party in writing of the nature and estimated duration of the suspension period. At City's option, either the Agreement period shall be extended by the term of any such suspension, or the total Agreement quantity hereunder shall be reduced by the quantity not delivered or performed during the term of such suspension, and, in either event, the Agreement shall otherwise remain unaffected. In such event that Seller's performance is suspended for more than sixty (60) days during the term hereof, City may, at its option, terminate this Agreement upon written notice to the Seller.

12. PRICE PROTECTION:

Seller warrants that the price(s) set forth herein are equal to the lowest net price, and the terms and conditions of sale as favorable as the price(s), terms and conditions afforded by the Seller to any other customer for goods or services of compatible grade or quality during the terms hereof. Should City be able to purchase goods or services of the same or comparable quality from another

source at a lower delivered cost than in effect hereunder, and City gives Seller written notice hereto, City may purchase such goods or services from such other sources at such lower delivered cost unless within fifteen days of receipt by Seller of said notice, Seller meets such lower delivered cost for such quantity of goods or services. Any quantity of goods or services so purchased from another source by City shall be deducted from the total quantity offered on this Agreement, but the Agreement shall otherwise remain unaffected.

13. PACKAGING AND CARTAGE:

No charge will be allowed for packing, boxing or cartage unless agreed upon at the time of purchase, but damage to any goods not packed to ensure proper protection to same will be charged to Seller. City's order number and quantity shipped will be marked or tagged on each package. City's count will be accepted as final and conclusive on any shipment not accompanied by itemized packing slip. Delay in or non-receipt of packing lists, statements, or invoices in the number of copies specified or errors or omissions of any of these will be just cause for withholding payment.

14. HAZARD:

Seller shall notify City of any inherent hazard and applicable precautions and protective measures and provide any additional relevant information, including but not limited to Material Data Safety Sheets, for the goods being purchased herein.

15. QUANTITY:

The quantities of goods or duration of services as indicated on the face hereof, must not be exceeded without prior written authorization from City. Excess quantities may be returned to Seller at Seller's expense.

16. ASSIGNMENT:

No right or interest in this Agreement shall be assigned by Seller without the prior written permission of the City and no delegation of any obligation owed by either City or Seller shall be made without the prior written permission of either party. Any attempted assignment or delegation shall be wholly void and totally ineffective for all purposes.

17. CHOICE OF LAW; VENUE:

The validity, interpretation, and performance of this Agreement shall be governed and construed in accordance with the laws of the State of Florida. In the event of any dispute under this Purchase Order, venue shall be in Brevard County, Florida for any state action and Orlando, Florida, for any federal action.

18. PUBLIC RECORDS; RIGHT TO AUDIT RECORDS:

Written documents prepared by either the Seller or City in furtherance of this Agreement shall constitute a public record. Any such instrument maintained by Seller hereunder shall be delivered to the City upon request. The City shall also be entitled to audit the books and records of the Seller to the extent that such books and records relate to the performance of this Agreement. Such books and records shall be maintained by the Seller for a period of three (3) years from the date of final payment under this Agreement unless a shorter period is otherwise authorized in writing by the City.

19. FISCAL YEAR FUNDING APPROPRIATION:

a) Specified Period.

Unless otherwise provided by law, a purchase order for supplies or services may be entered into for any period of time deemed to be in the best interest of the City, provided the term of the purchase order and conditions of renewal or extension, if any, are included in the solicitation and funds are available for the initial fiscal period of the purchase order. Payment and performance obligations for succeeding fiscal periods shall be subject to the annual appropriation by City Council.

b) Cancellation Due to Unavailability of Funds in Succeeding Fiscal Periods.

When funds are not appropriated or otherwise made available to support continuation of performance in a subsequent fiscal year period, the purchase order shall be cancelled, and the contractor shall be entitled to reimbursement for the reasonable value of any work performed to the date of cancellation.

20. FAILURE TO EXECUTE PURCHASE ORDER:

Failure of the successful bidder to accept the Purchase Order as specified may be cause for cancellation of the award. In the event that the order is cancelled, the award may then be made to the second lowest responsive and responsible bidder, and such bidder shall fulfill every stipulation embraced herein as if he were the original party to whom the bid award was made, oral bids may be rejected and made void by the City.

21. INDEPENDENT CONTRACTOR:

The Seller shall perform the obligations of this Purchase Order as an independent contractor and under no circumstances shall it be considered as agent or employee of the City.

22. OTHER RELATED AGREEMENTS:

In conjunction with, or prior to issuing this Purchase Order, the City may require the Seller to execute a full written agreement that is approved by the City Manager or City Council and executed by the City Manager or Mayor ("Master Agreement"). The Master Agreement shall take precedence over the terms and conditions set forth in this Purchase Order to the extent there are any conflicting terms and conditions. Otherwise, the Master Agreement and this Purchase Order shall be deemed supplemental to each other.

23. SOVEREIGN IMMUNITY:

Nothing contained in this Purchase Order shall be construed as a waiver of the City's right to sovereign immunity under section 768.28, Florida Statutes, or other limitations imposed on the City's potential liability under state or federal law. The provisions of §768.28, Florida Statutes, and any other limitations or restrictions in the City's liability shall be deemed incorporated herein by this reference.

24. INSURANCE:

If this Purchase Order requires the Seller to perform services on the City's premises or at any place where the City conducts operations, or requires the Seller to perform professional consulting services, the Seller shall request insurance coverage requirements from the City's Purchasing Manager. In circumstances where insurance is required by the City, Seller shall provide proof of insurance or insurance certificates with the City listed as an additional named insured prior to performing under this Purchase Order. Noncompliance with this Paragraph shall place the Seller in default and subject this Purchase Order to immediate cancellation.

25. E-VERIFY:

Pursuant to section 448.095, Florida Statutes, beginning January 1, 2021, Seller shall register with and use the U.S. Department of Homeland Security's E-Verify system, <https://e-verify.uscis.gov/emp>, to verify the work authorization status of all employees hired on and after January 1, 2021. Seller shall also require all subcontractors performing work under this Agreement to use the E-Verify system for any employees they may hire during the term of this Agreement. Seller shall obtain from all such subcontractors an affidavit stating the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, as defined in section 448.095, Florida Statutes. Seller shall provide a copy of all subcontractor affidavits to the City upon receipt and shall maintain a copy for the duration of the Agreement. Seller must provide evidence of compliance with section 448.095, Florida Statutes. Evidence shall consist of an affidavit from the Seller stating all employees hired on and after January 1, 2021, have had their work authorization status verified through the E-Verify system and a copy of their proof of registration in the E-Verify system. Failure to comply with this provision is a material breach of this Agreement and shall result in the immediate termination of the Agreement without penalty to the City. Seller shall be liable for all costs incurred by the City securing a replacement Agreement, including but not limited to, any increased costs for the same services, any costs due to delay, and rebidding costs, if applicable.



To: City of Cocoa
65 Stone Street
Cocoa, FL 32922

From: INLINER SOLUTIONS, LLC
PO BOX 931303
ATLANTA, GA 31193-1303
Office: (407) 472-0014

Pay Request No.: 1
Work Completed Through: 03/31/2025
Invoice Date: 04/10/2025
Inliner Project Number 1314443
INVOICE NUMBER: 1314443 -1

Attn: Frank Mirabito

Project: PO 083332 S Wilson Avenue			CONTRACT			QUANTITIES			AMOUNTS		
ITEM	DESCRIPTION	U/M	QTY	UNIT PRICE	AMOUNT	PREV PERIOD	THIS PERIOD	TO DATE	PREV PERIOD	THIS PERIOD	TO DATE
A-5	48" - 72" Diameter Light Cleaning and CCTV Inspection	LF	230	26.00	5,980.00		0	0	-	-	-
A-15	48" - 72" Diameter Heavy Cleaning and CCTV Inspection	LF		53.00	-		233	233	-	12,349.00	12,349.00
A-129	60" Diameter CIPP Liner 22.5 MM Thickness	LF	230	497.00	114,310.00		233	233	-	115,801.00	115,801.00
A-130	60" Diameter CIPP Liner Charge for each 1.5mm after 22.5 MM	LF	1,610	24.00	38,640.00		1,631	1,631	-	39,144.00	39,144.00
C-10	36" Diameter By-Pass Pumping & Dewatering	LF	230	32.00	7,360.00		233	233	-	7,456.00	7,456.00
C-11	Traffic Control MOT Index 601 or 602	DAY	6	250.00	1,500.00		6	6	-	1,500.00	1,500.00
TOTALS					\$ 167,790.00				\$ -	\$ 176,250.00	\$ 176,250.00

Submitted _____
INLINER SOLUTIONS, LLC Date

Total Earned To Date: \$ 176,250.00
Less Retainage @: 0% \$ -

Approved _____
City of Cocoa Date

Total Payments Due: \$ 176,250.00
Less Previous Payments: \$ -

Amount Due this Pay Request: \$ 176,250.00

US MAIL:

INLINER SOLUTIONS, LLC
PO BOX 931303
ATLANTA, GA 31193-1303

ELECTRONIC PAYMENTS:

BANK ACCT 4201293016
ACH ROUTING 121000248
SWIFT ADDRESS WFBIUS6S

COURIER:

INLINER SOLUTIONS, LLC
LOCKBOX SERVICES 931303
3585 ATLANTA AVENUE
HAPEVILLE, GA 30354-1705

City of Cocoa
PO 083332 S Wilson Avenue

Billing Summary

Shot #	Pipe Size	MH (A)	MH (B)	Description	Est Length	Clean	Install	Date
1	60	5	a	S Wilson Avenue	125	125	125	29-Mar-2025
2	60	6	5	S Wilson Avenue	108	108	108	29-Mar-2025
					233	233	233	

Description	Quantity	Rate	Amount
48" - 72" Diameter Light Cleaning and CCTV Inspection	0	\$ 26.00	\$ -
48" - 72" Diameter Heavy Cleaning and CCTV Inspection	233	\$ 53.00	\$ 12,349.00
60" Diameter CIPP Liner 22.5 MM Thickness	233	\$ 497.00	\$ 115,801.00
60" Diameter CIPP Liner Charge for each 1.5mm after 22.5 MM	1,631	\$ 24.00	\$ 39,144.00
36" Diameter By-Pass Pumping & Dewatering	233	\$ 32.00	\$ 7,456.00
Traffic Control MOT Index 601 or 602	6	\$ 250.00	\$ 1,500.00

\$	176,250.00
-----------	-------------------



City of Cocoa Budget Adjustment Form FY 2025- 056-T

SELECT ADJUSTMENT TYPE: Budget Transfer

REQUESTING DEPARTMENT #: 3570

DATE PREPARED: 4/15/25

'From' Accounts

ADJUSTMENT AMOUNT	ACCOUNT NUMBER	PROJECT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	AMENDED BUDGET	ADJUSTED BUDGET	UNENCUMBERED BALANCE
(\$ 8,460)	423-3570-538.31-00		Professional Services			(\$ 8,460)	
						\$ 0	
						\$ 0	
						\$ 0	
						\$ 0	
						\$ 0	
(\$ 8,460)	TOTAL						

'To' Accounts

ADJUSTMENT AMOUNT	ACCOUNT NUMBER	PROJECT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	AMENDED BUDGET	ADJUSTED BUDGET	UNENCUMBERED BALANCE
\$ 8,460	423-3570-538.63-00	SW08PL	Infrastructure			\$ 8,460	
						\$ 0	
						\$ 0	
						\$ 0	
						\$ 0	
						\$ 0	
\$ 8,460	TOTAL						

REASON/JUSTIFICATION FOR ADJUSTMENT:

Additional funding is required for a change order to cover additional pipe lining services due to field conditions at time of installation.
Purchase Order 83332.
Agenda 2025-358

City Council Approval Needed?

Yes. ☒

No. ☐

DATE APPROVED: _____

RESOLUTION #: _____

City Council approval is needed for all transfers greater than \$75,000 and transfers between Departments / Funds. All CRA adjustments are required to go their respective boards.

Frank Mirabito
Digitally signed by Frank Mirabito
Date: 2025.04.15 15:16:29 -04'00'

Zoie Badalov
Digitally signed by Zoie Badalov
Date: 2025.05.16 08:34:03 -04'00'

Requestor's Signature

Finance Approval Signature

Finance Director's Signature

Abigail Morgan
Digitally signed by Abigail Morgan
Date: 2025.05.16 08:27:08 -04'00'

Lora Howell
Digitally signed by Lora Howell
Date: 2025.05.16 08:50:09 -04'00'

Department Director's Signature

Deputy Fin. Director's Signature

City Manager's Signature

FINANCE USE ONLY:

Date Entered: _____

Entered By: _____

Group #: _____

CITY COUNCIL AGENDA ITEM

Memo Date: April 30, 2025
Agenda Date: May 27, 2025
File ID: 2025-414
Prepared By: James Mitchell, Water Treatment Manager
Through: John Walsh, Utilities Director
Requested Action: To Approve Task Orders 2025-15 and 2025-15.1 with Atlantic Development of Cocoa, Inc., utilizing RFQ# 20-18-COC for the Cocoa Water Plant Road Culvert Replacement Project, WS25CU, in the amount of \$115,244; Approve a Budget Transfer to the FY2025 Budget, BAF# 25-058-T. Approve a Project Contingency Resolution for \$28,811, total project cost \$144,055.

BACKGROUND:

The Dyal Water Treatment Plant utilizes 48 production wells from a well field located eight miles west of the plant. Cocoa Water Plant Road, which is an unpaved road through the Deseret Ranch property, is used to access those production wells. The City of Cocoa is responsible for the maintenance of the road and the road's drainage culverts. A condition assessment performed by Dyal Staff and Engineering Staff at the beginning of 2022 found that three out of four of the culverts needed replacement. Failure of any of these drainage culverts would jeopardize the well field connection to the Dyal Water Treatment Plant.

During a recent check of culverts in the wellfield it was discovered that two of four large drainage culverts are in need of immediate repair. The first of which was not replaced in 2022 and is heavily corroded and needs to be replaced. This was missed during our previous inspection due to a blockage that obscured our access to the culvert. The pipe is corrugated metal that will be replaced with a corrugated aluminum pipe. The second culvert appears that something lodged under the culvert and bent the flowline up into the air. The culvert is completely obstructed and the damaged section, approximately 30', needs to be replaced. The repair work for both culverts is very similar to the work that was conducted in 2022.

The Cocoa Water Plant Road Culvert Replacement Project involves the replacement of two (2) of the roadway's drainage culverts, the installation of pipe end sections, and the regrading and stabilization of the roadway embankment surrounding the pipe entrances and exits.

Per the Purchasing Manual, Section 2.5, the City Manager can authorize emergency purchases. Failure of the drainage culverts would jeopardize the source of water from our well field to the Dyal Water Treatment Plant and is an unacceptable risk. Staff requested the City Manager to waive normal purchasing procedures due to the exigent timing circumstances required to complete the necessary improvements. Delays

incurred through the usual bidding and awarding similar work will further increase the likelihood of wet season rainfall interfering with the completion of the project. We have received a quote from Atlantic Development of Cocoa, Inc. for this project for an estimated cost of \$115,244. Atlantic Development has previous experience working on the Cocoa wellfield culverts, and the swale on this road, and they understand the critical nature of the buried infrastructure. Upon issuance of the Purchase Order, Atlantic will mobilize to start the repairs.

On May 7, 2025, staff requested the City Manager for authorization to proceed with the culvert repairs and received approval on May 12, 2025.

Staff is requesting City Council approval of Task Order 2025-15 with Atlantic Development of Cocoa, Inc. utilizing RFQ# 20-18-COC for the Cocoa Water Plant Road Culvert Replacement Project as a multi-year contract from FY2023 through FY2025.

Staff is also requesting that City Council approve an additional \$28,811 as contingency for the project. The additional amount is 25% of the contract amount and will be used for change orders with approval by the City Manager. City staff anticipate a change order for additional culvert pipe, the additional amount will allow the project to continue forward without delays.

This is an unbudgeted project. A Budget Adjustment Form (BAF) is necessary to allocate additional dollars from 421-4010-536.39-00 (CONTINGENCY) to 421-4020-536.63-00 (INFRASTRUCTURE), WS25CU.

The total project cost with a 25% contingency is \$144,055.

PRIORITY AREA CONNECTION:

Investment in Public Infrastructure

BUDGETARY IMPACT:

Budgeted? No

If not budgeted, is amendment/transfer attached? Yes, BAF #25-058-T

Amount Requested: (\$144,055)

Account Number: 421-4010-536.39-00

Account Name: Contingency

Transfer Account To: 421-4020-536.63-00

Transfer Account Name: Infrastructure, WS25CU

PREVIOUS ACTION:

RECOMMENDED MOTION:

To Approve Task Orders 2025-15 and 2025-15.1 with Atlantic Development of Cocoa,

Inc., utilizing RFQ# 20-18-COC for the Cocoa Water Plant Road Culvert Replacement Project, WS25CU, in the amount of \$115,244; Approve a Budget Transfer to the FY2025 Budget, BAF# 25-058-T. Approve a Project Contingency Resolution for \$28,811, total project cost \$144,055.

Task Order Request Form

P-Form 2021.09 Revised
07/14/2023

AGREEMENT FOR UTILITIES GENERAL CONSTRUCTION CONTRACTOR

2025-15

Name of CSA (Continuing Service Agreement)

TASK ORDER NUMBER

Date: 05/01/25 City Bid Number: AMOUNT: \$ 66,403.55

Vendor Name: Atlantic Development Of Cocoa, INC Quote/Proposal Number: 25-025

Dept. Number/Division Name: 4020/Dyal

Project Name: Urgent Wellfield Culvert Project Number: WS25CU

Please use this section only if you are revising the original task order, which will generate a change order.

AMENDMENT

Amendment to Original Task Order No. : Requested Amendment Amount:

Original Task Order Amount: Total Revised Amount including all Amendments:

Total number of Amendments including this one:

Scope of Services; Justification for Amendment

During a recent check of culverts in the wellfield it was discovered that one of four large drainage culverts is heavily corroded and needs to be replaced. This was missed during our previous inspection due to a blockage that obscured our access to the culvert. The pipe is corrugated metal that will be replaced with a corrugated aluminum pipe. The work is very similar to the work that was conducted in 2022 for the other three storm pipes.

SCOPE:

MOBILIZATION & MOT, DEMO & HAUL OFF EXISTING PIPE & HEADWAL/DEBRIS, INSTALL 47"X71" ALUMINIZED STEEL PIPE, CONNECT TO EXISTING, IMPORT FILL PLACE & COMPACT, IMPORT ROADBASE, FINISH GRADE ROADWAY, RIP-RAP SLOPE W/ FABRIC UNDERLAYMENT, SOD DISTURBED AREA AROUND RIP-RAP

Design is Construction Related: ☒ YES ☐ NO ☐ N/A Good Faith Estimate of Construction Value: \$ 66,403.55
Documentation for Good Faith Estimate Attached and Valid: ☒ YES ☐ NO ☐ N/A
Reference if applicable: Florida Statutes 287.055, Consultants Competitive Negotiation Act (CCNA)

James Mitchell Digitally signed by James Mitchell
Date: 2025.05.01 07:07:56 -04'00'

Requestor

John "Jack" Walsh Digitally signed by John "Jack" Walsh
Date: 2025.05.01 09:55:23 -04'00'

Department Director

***** DO NOT WRITE BELOW THIS LINE - AUTHORIZED PERSONNEL ONLY *****

Task Order : ☒ Approved ☐ Disapproved Refer to this Task # on all documentation: 2025-15
Council Approval Required: ☐ YES ☒ NO

Reason
Disapproved:

Brian Dale Digitally signed by Brian Dale
Date: 2025.05.01 14:57:38 -04'00'

Purchasing & Contracts Division Manager

Stockton Whitten Digitally signed by Stockton Whitten
Date: 2025.05.05 15:01:19 -04'00'

City Manager (Purchases not to exceed \$75K)

Mayor (Purchases that exceed \$75K)

- 1) Requestor: Completes form and forwards all supporting documentation to Department Director.
- 2) Dept. Director reviews and approves, forwards Task Order and all supporting documentation to purchasing@cocoafll.org. (Subject Line to read: TO-VENDOR NAME Task # (if previously requested) PRICE-DEPT-DIV.)
- 3) Purchasing assigns Task Order Number and emails link that contains Task Order and all supporting documentation to the Purchasing Manager.
- 4) Purchasing Manager reviews and approves, uploads approved Task Order Form.
- 5) Task Order and all supporting documentation is forwarded to the City Manager for review and approval for Purchases not exceeding \$75K. Approved Task Order by City Manager will be returned back to purchasing@cocoafll.org. If over \$75K, Task Order and all documentation is forwarded back to Requestor who must then initiate an agenda item for City Council Approval. Once approved by City Council the City Clerk will have the Mayor sign both the Task Order Form and the Proposal if applicable and forward copies to purchasing@cocoafll.org.
- 6) Purchasing logs, the Task Order in the database and forwards fully executed Task Order and all supporting documentation back to Requestor.

Task Order Request Form

P-Form 2021.09 Revised
07/14/2023

AGREEMENT FOR UTILITIES GENERAL CONSTRUCTION CONTRACTOR

2025-15.1

Name of CSA (Continuing Service Agreement)

TASK ORDER NUMBER

Date: 05/14/25 City Bid Number: Q-20-18-COC AMOUNT: \$ 66,403.55

Vendor Name: Atlantic Development Of Cocoa, INC Quote/Proposal Number: 25-025

Dept. Number/Division Name: 4020/Dyal

Project Name: Urgent Wellfield Culvert Project Number: WS25CU

Please use this section only if you are revising the original task order, which will generate a change order.

AMENDMENT

Amendment to Original Task Order No. : 2025-15 Requested Amendment Amount: \$ 48,839.55

Original Task Order Amount: \$ 66,403.55 Total Revised Amount including all Amendments: \$ 115,243.10

Total number of Amendments including this one: 1

Scope of Services; Justification for Amendment

During a recent check of culverts in the wellfield it was discovered that one of four large drainage culverts is heavily corroded and needs to be replaced. This was missed during our previous inspection due to a blockage that obscured our access to the culvert. The pipe is corrugated metal that will be replaced with a corrugated aluminum pipe. The work is very similar to the work that was conducted in 2022 for the other three storm pipes. A second culvert was found to be damaged. It looks like something got under the culvert and bent the flowline up into the air.

SCOPE:

MOBILIZATION & MOT, DEMO & HAUL OFF EXISTING PIPE & HEADWAL/DEBRIS, INSTALL 47"X71" ALUMINIZED STEEL PIPE, CONNECT TO EXISTING, IMPORT FILL PLACE & COMPACT, IMPORT ROADBASE, FINISH GRADE ROADWAY, RIP-RAP SLOPE W/ FABRIC UNDERLAYMENT, SOD DISTURBED AREA AROUND RIP-RAP

Design is Construction Related: ☒ YES ☐ NO ☐ N/A Good Faith Estimate of Construction Value: \$ 115,243.10
Documentation for Good Faith Estimate Attached and Valid: ☒ YES ☐ NO ☐ N/A
Reference if applicable: Florida Statutes 287.055, Consultants Competitive Negotiation Act (CCNA)

James Mitchell Digitally signed by James Mitchell
Date: 2025.05.14 14:40:02 -04'00'

Requestor

John "Jack" Walsh Digitally signed by John "Jack" Walsh
Date: 2025.05.15 07:26:26 -04'00'

Department Director

***** DO NOT WRITE BELOW THIS LINE - AUTHORIZED PERSONNEL ONLY *****

Task Order : ☒ Approved ☐ Disapproved Refer to this Task # on all documentation: 2025-15.1
Council Approval Required: ☒ YES ☐ NO

Reason
Disapproved:

Brian Dale Digitally signed by Brian Dale
Date: 2025.05.15 14:48:57 -04'00'

Purchasing & Contracts Division Manager

City Manager (Purchases not to exceed \$75K)

Mayor (Purchases that exceed \$75K)

- 1) Requestor: Completes form and forwards all supporting documentation to Department Director.
- 2) Dept. Director reviews and approves, forwards Task Order and all supporting documentation to purchasing@cocoafl.org. (Subject Line to read: TO-VENDOR NAME Task # (if previously requested) PRICE-DEPT-DIV.)
- 3) Purchasing assigns Task Order Number and emails link that contains Task Order and all supporting documentation to the Purchasing Manager.
- 4) Purchasing Manager reviews and approves, uploads approved Task Order Form.
- 5) Task Order and all supporting documentation is forwarded to the City Manager for review and approval for Purchases not exceeding \$75K. Approved Task Order by City Manager will be returned back to purchasing@cocoafl.org. If over \$75K, Task Order and all documentation is forwarded back to Requestor who must then initiate an agenda item for City Council Approval. Once approved by City Council the City Clerk will have the Mayor sign both the Task Order Form and the Proposal if applicable and forward copies to purchasing@cocoafl.org.
- 6) Purchasing logs, the Task Order in the database and forwards fully executed Task Order and all supporting documentation back to Requestor.

ATLANTIC DEVELOPMENT OF COCOA, INC.

2185 W. King Street ♦ Cocoa, Florida 32926

Phone: 321-639-8788 ♦ Fax: 321-639-0936

ggrignon@atlanticdevelopmentofcocoa.com

QUOTE**WELLFIELD RD 47"X71" CULVERT REPAIR****4/4/2025****ADC# 25-025**

DESCRIPTION	QTY	UNIT	PRICE/ITEM	TOTAL
MOBILIZATION & MOT	1	LS	\$4,525.00	\$4,525.00
DEMO & HAUL OFF EXISTING PIPE & HEADWAL/DEBRIS	1	LS	\$7,500.00	\$7,500.00
INSTALL 47"X71" ALUMINIZED STEEL PIPE	50	LF	\$761.95	\$38,097.50
CONNECT TO EXISTING	1	EA	\$2,439.95	\$2,439.95
IMPORT FILL PLACE & COMPACT	90	CY	\$27.95	\$2,515.50
IMPORT ROADBASE, FINISH GRADE ROADWAY	36	CY	\$61.60	\$2,217.60
RIP-RAP SLOPE W/ FABRIC UNDERLAYMENT	80	TNS	\$101.25	\$8,100.00
SOD DISTURBED AREA AROUND RIP-RAP	1200	SF	\$0.84	\$1,008.00
				\$0.00
				\$0.00
TOTAL				\$ 66,403.55

EXCLUSIONS

All items affected by cost of petroleum products are subject to any future price escalations of said petroleum products. (including, but not limited to, concrete curb, concrete sidewalk, asphalt, etc.) Unless otherwise noted proposal does not include connection charges, fees, bonds, testing, permits, NPDES Monitoring, construction lay out, as built drawing, relocation of any utility, rock excavation, de-mucking, concrete flat work, sod, seed, mulch or any unforeseen obstructions or obstacles, or the replacement of any unsuitable materials. Earthwork prices are submitted based upon all on-site excavated material being suitable for structural fill. Earthwork prices do not include removal and/or replacement of any organic or hardpan materials underlying the retention area, building pads or roadways. Unless a lump sum price is to be paid for the foregoing work, and is clearly so stated, it is understood and agreed that the quantities referred to above the estimates only and that payment shall be made at the stated unit prices on the actual quantities of work performed by the contractor as determined upon completion of the work and based on field measurements. This proposal expires thirty (30) days from the date here of, but may be accepted at any later date at the sole option of Atlantic Development of Cocoa, Inc. Bids and proposals are not commitment to do a job. All jobs are subject to credit approval and funds availability. Atlantic Development reserves the right to withdraw any bid provided.

Accepted by:

ATLANTIC DEVELOPMENT OF COCOA, INC.

2185 W. King Street ♦ Cocoa, Florida 32926

Phone: 321-639-8788 ♦ Fax: 321-639-0936

ggrignon@atlanticdevelopmentofcocoa.com

QUOTE

WELLFIELD RD 47"X71" CULVERT REPAIR

4/4/2025

ADC# 25-025

Date:

(Signature)

(Print)

ATLANTIC DEVELOPMENT OF COCOA, INC.

2185 W. King Street ♦ Cocoa, Florida 32926

Phone: 321-639-8788 ♦ Fax: 321-639-0936

ggrignon@atlanticdevelopmentofcocoa.com

QUOTE**WELLFIELD RD 47"X71" CULVERT REPAIR # 2****5/5/2025****ADC# 25-036**

DESCRIPTION	QTY	UNIT	PRICE/ITEM	TOTAL
MOBILIZATION & MOT	1	LS	\$2,200.00	\$2,200.00
DEMO & HAUL OFF EXISTING PIPE & HEADWAL/DEBRIS	1	LS	\$7,500.00	\$7,500.00
INSTALL 47"X71" ALUMINIZED STEEL PIPE	30	LF	\$761.95	\$22,858.50
CONNECT TO EXISTING	1	EA	\$2,439.95	\$2,439.95
IMPORT FILL PLACE & COMPACT	90	CY	\$27.95	\$2,515.50
IMPORT ROADBASE, FINISH GRADE ROADWAY	36	CY	\$61.60	\$2,217.60
RIP-RAP SLOPE W/ FABRIC UNDERLAYMENT	80	TNS	\$101.25	\$8,100.00
SOD DISTURBED AREA AROUND RIP-RAP	1200	SF	\$0.84	\$1,008.00
				\$0.00
				\$0.00
TOTAL				\$ 48,839.55

EXCLUSIONS

All items affected by cost of petroleum products are subject to any future price escalations of said petroleum products. (including, but not limited to, concrete curb, concrete sidewalk, asphalt, etc.) Unless otherwise noted proposal does not include connection charges, fees, bonds, testing, permits, NPDES Monitoring, construction lay out, as built drawing, relocation of any utility, rock excavation, de-mucking, concrete flat work, sod, seed, mulch or any unforeseen obstructions or obstacles, or the replacement of any unsuitable materials. Earthwork prices are submitted based upon all on-site excavated material being suitable for structural fill. Earthwork prices do not include removal and/or replacement of any organic or hardpan materials underlying the retention area, building pads or roadways. Unless a lump sum price is to be paid for the foregoing work, and is clearly so stated, it is understood and agreed that the quantities referred to above the estimates only and that payment shall be made at the stated unit prices on the actual quantities of work performed by the contractor as determined upon completion of the work and based on field measurements. This proposal expires thirty (30) days from the date here of, but may be accepted at any later date at the sole option of Atlantic Development of Cocoa, Inc. Bids and proposals are not commitment to do a job. All jobs are subject to credit approval and funds availability. Atlantic Development reserves the right to withdraw any bid provided.

Accepted by:

ATLANTIC DEVELOPMENT OF COCOA, INC.

2185 W. King Street ♦ Cocoa, Florida 32926

Phone: 321-639-8788 ♦ Fax: 321-639-0936

ggrignon@atlanticdevelopmentofcocoa.com

QUOTE

WELLFIELD RD 47"X71" CULVERT REPAIR # 2

5/5/2025

ADC# 25-036

Date:

(Signature)

(Print)

From: [John "Jack" Walsh](#)
To: [James Mitchell](#)
Subject: FW: Additional culver repair - Emergency Repair - Well Field
Date: Tuesday, May 13, 2025 9:07:38 PM
Attachments: [image012.png](#)
[image013.png](#)
[image014.png](#)
[image015.png](#)
[image016.png](#)
[image017.png](#)
[image018.png](#)
[image019.png](#)
[image020.png](#)
[image021.png](#)
[image022.png](#)
[image023.png](#)
[image024.jpg](#)
[image025.jpg](#)
[image026.jpg](#)
[image027.jpg](#)
[image028.png](#)
[image029.jpg](#)
[image030.png](#)

James
Approval as discussed

Jack

From: Stockton Whitten <swhitten@cocoafl.gov>
Sent: Monday, May 12, 2025 2:26 PM
To: John "Jack" Walsh <jjwalsh@cocoafl.gov>
Cc: Lora Howell <lhowell@cocoafl.gov>; Brian Dale <bdale@cocoafl.gov>; Kathleen Frederick <kfrederick@cocoafl.gov>
Subject: RE: Additional culver repair - Emergency Repair - Well Field

Jack,

I didn't see it in the eforms, but please accept this email as approval of the emergency repair.

Stockton

Stockton Whitten
City Manager



Phone: (321) 433-8737
E-Mail: swhitten@cocoafl.gov
Address: 65 Stone Street • Cocoa, FL 32922
Website: www.CocoaFL.gov



From: John "Jack" Walsh <jwalsh@cocoafll.gov>
Sent: Monday, May 12, 2025 12:52 PM
To: Stockton Whitten <swhitten@cocoafll.gov>
Subject: FW: Additional culver repair - Emergency Repair - Well Field

Stockton

Please authorize the additional use of emergency repairs for the second culvert as the rains have already started. Let me know if you have any concerns. Thanks

Jack

From: John "Jack" Walsh
Sent: Wednesday, May 7, 2025 2:42 PM
To: Stockton Whitten <swhitten@cocoafll.gov>
Cc: Rebecca Bowman <rbowman@cocoafll.gov>; James Mitchell <jmitchell@cocoafll.gov>
Subject: Additional culver repair - Emergency Repair - Well Field

Stockton,

We are requesting an additional emergency repairs in the wellfield. A second culvert was found to be damaged. It looks like something got under the culvert and bent the flowline up into the air. Per the Purchasing Manual, Section 2.5, the City Manager can authorize emergency purchases and staff is requesting you allow us to proceed with the culvert repair (approximately 60' of pipe). Failure of the drainage culvert would jeopardize the source of water from our well field to the Dyal Water Treatment Plant and is an unacceptable risk. We are asking to waive normal purchasing procedures due to the exigent timing circumstances required to complete the necessary improvements. Delays incurred through the usual bidding and awarding similar work will further increase the likelihood of wet season rainfall interfering with the completion of the project. We do not want another washout in the well field and wish to avoid this situation. As you know, the rain has just started to arrive and time is of the essence. We have requested a quote from Atlantic Development who is already mobilized and on site to repair the previously authorized culvert work.

Thank you

Jack W

From: John "Jack" Walsh
Sent: Wednesday, April 23, 2025 4:35 PM
To: Stockton Whitten <swhitten@cocoaf1.gov>
Cc: Rebecca Bowman <rbowman@cocoaf1.gov>
Subject: Emergency Repair - Well Field

Stockon

During a recent check of culverts in the wellfield it was discovered that one of four large drainage culverts is heavily corroded and needs to be replaced. This was missed during our previous inspection due to a blockage that obscured our access to the culvert. The pipe is corrugated metal that will be replaced with a corrugated aluminum pipe. The work is very similar to the work that was conducted in 2022 for the other three storm pipes.

Per the Purchasing Manual, Section 2.5, the City Manager can authorize emergency purchases and staff is requesting you allow us to proceed with the culvert repair. Failure of the drainage culvert would jeopardize the source of water from our well field to the Dyal Water Treatment Plant and is an unacceptable risk. We are asking to waive normal purchasing procedures due to the exigent timing circumstances required to complete the necessary improvements. Delays incurred through the usual bidding and awarding similar work will further increase the likelihood of wet season rainfall interfering with the completion of the project. We do not want another washout in the well field and wish to avoid this situation.

We have received a quote from Atlantic Development of Cocoa, Inc. for this project for an estimated cost of \$66,403.55. Atlantic Development has previous experience working on the Cocoa culverts, and the swale on this road and they understand the critical nature of the buried infrastructure. Upon issuance of the Purchase Order, Atlantic will mobilize to start the repairs.



John "Jack" Walsh, P.E.
Utilities Director

351 Shearer Blvd. • Cocoa, FL 32922
☐ (321) 433-8701 ☐ jwalsh@cocoaf1.org ☐
www.CocoaFL.gov





AGREEMENT FOR UTILITIES GENERAL CONSTRUCTION CONTRACTOR

THIS AGREEMENT is made and entered into this 9th day of November, 2020, by and between the **CITY OF COCOA, FLORIDA**, a Florida Municipal Corporation, hereinafter referred to as "City", located at 65 Stone Street, Cocoa 32922, and **ATLANTIC DEVELOPMENT OF COCOA, Inc.** 2185 West King Street, Cocoa, Florida 32926, hereinafter referred to as "Utility Contractor".

WITNESSETH:

WHEREAS, City wishes to obtain underground utility services on a continuing basis; and

WHEREAS, the City has followed the selection and negotiation process set forth in the Florida's Consultants' Competitive Negotiation Act, Section 287.055, *Florida Statutes*; and

WHEREAS, Utility Contractor participated in the selection and negotiation process and Utility Contractor was one of several contractors chosen by the City Council at a duly held meeting on October 27, 2020 to perform future services on an as needed basis; and

WHEREAS, Utility Contractor is willing to provide such underground utility services to the City under the terms and conditions stated herein.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties covenant and agree as follows:

1.0 **TERM AND DEFINITIONS**

1.1 Unless sooner terminated by either Party pursuant to the terms and conditions herein, this Agreement shall terminate on the third (3rd) anniversary of the Effective Date. This Agreement may be renewed by mutual agreement of the Parties for a maximum of two (2) separate two (2) year renewal terms.

1.2 The terms and conditions of any Task Authorization, as described in Section 2 hereof, shall be as set forth in such Task Authorization. Any Task Authorization in effect at the termination of this Agreement shall remain in effect until completion of said Task Authorization, and all of the terms and conditions of this Agreement shall survive until completion of all Task Authorizations.

1.3 Definitions. The following words and phrases used in this Agreement shall have the following meaning ascribed to them unless the context clearly indicates otherwise:

A. "Agreement" or "Contract" shall be used interchangeably and shall refer to this Agreement, as amended from time to time, which shall constitute authorization for the Utility Contractor to provide the construction services approved by Task Authorization by the City.

B. "Effective Date" shall be the date on which the last signatory hereto shall execute this Agreement, and it shall be the date on which this Agreement shall go into effect. The Agreement shall not go into effect until said date.

C. "Utility Contractor" shall mean **Atlantic Development of Cocoa Inc.**, and its principals, employees, resident project representatives (and assistants).

D. "Public Record" shall have the meaning given in Section 119.011(1), *Florida Statutes*.

E. "Reimbursable Expenses" shall mean the actual expenses incurred by Utility Contractor or Utility Contractor's independent professional associates and consultants which are directly related to travel and subsistence at the rates, and under the requirements of, Section 112.061, Florida Statutes, or any other actual expenses the City agrees to reimburse by Task Authorization.

F. "Work" or "Services" shall be used interchangeably and shall include the performance of the work agreed to by the parties in a Task Authorization.

G. "Task Authorization" shall mean a written document approved by the parties pursuant to the procedure outlined in paragraph 2.0 of this Agreement, and any amendments thereto approved pursuant to the procedures outlined in paragraph 3.0 herein, which sets forth the Work to be performed by Utility Contractor under this Agreement.

2.0 DESCRIPTION OF SERVICES

2.1 The City shall make request of Utility Contractor to perform underground utility services on a "Task" basis. The City will communicate with Utility Contractor, verbally or in writing, a general description of the task to be performed. The Utility Contractor will generate a detailed Scope of Work document, prepare a Schedule, add a Not-to-Exceed-Budget or Lump Sum Fee to accomplish the task, and send the thus developed "Task Proposal" to the City. If a site visit by Utility Contractor is needed to generate the scope document, Utility Contractor shall request approval prior to visiting the site. The City will review the Task Proposal, and if the description is mutually acceptable, the parties will enter into a written "Task Authorization". The Scope of Services generally to be provided by the Utility Contractor through a Task Authorization may include any phases of utility construction. These phases are more clearly defined in the attached **Exhibit "A"**. Nothing herein shall be construed to guarantee that Utility Contractor will be assigned a Task.

2.2 The City will issue a Notice to Proceed to the Utility Contractor in the form of a City purchase order. Upon receipt of the signed Task Authorization and a written Notice to Proceed from the City, the Utility Contractor shall perform the services set forth in the Task Authorization.

2.3 For each Task Authorization in excess of \$25,000.00, Utility Contractor shall supply a materials, performance and payment bond(s) in accordance with Florida law and in substantially in conformance with the form attached to the Agreement **Exhibit "B"** and

approved by the City Attorney. The materials, performance, and payment amounts shall be in an amount equal to the total Contract Price for the Work required by the Task Authorization. The issuance of bonds required under this Agreement shall not relieve Utility Contractor of any liability under the Agreement and any applicable Task Authorization. Utility Contractor shall remain jointly and severally liable with any surety issuing a bond under the Task Authorization. The premium for such bonds shall be paid by the Utility Contractor.

3.0 CHANGES IN THE SCOPE OF WORK

3.1 City may make changes in the Services at any time by giving written notice to Utility Contractor. If such changes increase (additional services) or decrease or eliminate any amount of work, City and Utility Contractor will negotiate any change in total cost or schedule modifications. If the City and Utility Contractor approve any change(s), the Task Authorization will be modified in writing to reflect the change(s); and Utility Contractor shall be compensated for said service(s) in accordance with the terms of Article 5.0 herein. All change orders shall be authorized in writing by City's and Utility Contractor's designated representative.

3.2 All of City's said Task Authorizations and amendments thereto shall be performed in strict accordance with the terms of this Agreement insofar as they are applicable.

4.0 SCHEDULE; LIQUIDATED DAMAGES

4.1 Utility Contractor shall perform services in conformance with the mutually agreed schedule set forth in the negotiated Task Authorization. The parties acknowledge that the agreed upon schedule provided in this Section includes consideration of adverse weather conditions common to Central Florida including the possibility of hurricanes and tropical storms. Utility Contractor shall complete all of said services in a timely manner and will keep City apprised of the status of work on at least a weekly basis or as otherwise reasonably requested by the City. Should Utility Contractor fall behind the agreed upon schedule, it shall employ such resources so as to comply with the agreed-upon schedule.

4.2 No extension for completion of services shall be granted to Utility Contractor without City's prior written consent, except as provided in Sections 3.1 and 20.1 herein.

4.3 Unless otherwise expressly provided in the Task Authorization, City and Utility Contractor recognize that time is of the essence of this Agreement and that City will suffer financial loss if the Work required by a Task Authorization is not substantially complete within the time specified therein, plus any extensions thereof allowed in accordance with a written change order. They also recognize the delays, expense and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by City if the Work is not substantially completed on time. Accordingly, instead of requiring any such proof, City and Utility Contractor agree that as liquidated damages for delay (but not as a penalty) Utility Contractor shall pay City five hundred dollars (\$500.00) per day for each day that expires after the time specified in the applicable Task Authorization for both substantial and final completion until the work is completed within said time period, and that City has paid to the Utility Contractor the consideration of ten (\$10.00) dollars as consideration for this provision.

The liquidated damages shall be payable in addition to any excess expenses or costs payable by the Utility Contractor to the City under this Agreement and applicable Task Authorization, and shall not preclude the recovery of damages by the City under other provisions of the Agreement, except claims related to Utility Contractor's delays in substantial completion. The City's right to receive liquidated damages shall in no manner affect the City's right to terminate the Agreement or any applicable Task Authorization, as provided in this Agreement or elsewhere in the Task Authorization. The City's exercise of the right to terminate shall not release the Utility Contractor from the obligation to pay said liquidated damages.

When the City reasonably believes (i) that substantial completion will be inexcusably delayed; or (ii) that the Utility Contractor will fail to achieve final completion by the date of final completion, the City shall be entitled, but not required, to withhold from any amounts otherwise due the Utility Contractor the daily amount specified for liquidated damages for each calendar day of the unexcused delay. If and when the Utility Contractor overcomes the delay in timely achieving substantial completion or final completion, or any part thereof, for which the City has withheld payment, the City shall promptly release to the Utility Contractor those funds withheld, but no longer applicable, as liquidated damages.

5.0 METHODS OF PAYMENT FOR SERVICES AND EXPENSES OF UTILITY CONTRACTOR

5.1 General Services. For basic and additional Services performed by Utility Contractor's principals, employees, and resident project representatives (and assistants) pursuant to paragraphs 2.0 and 3.0, the City agrees to pay the Utility Contractor an amount equal to that agreed upon by the parties for a particular Task Authorization.

5.2 Additional Services Performed by Professional Associates and Consultants. For additional Services and Reimbursable Expenses of independent professional associates and consultants employed by Utility Contractor to render additional Services pursuant to paragraphs 2.0 and 3.0, the City agrees to pay the Utility Contractor an amount equal to that billed Utility Contractor by the independent professional associates and consultants multiplied by a factor of 1.10. Prior to payment by the City, the Utility Contractor shall submit to the City a copy of any written invoice received by Utility Contractor from all independent professional associates and consultants which clearly evidences the amount billed by the independent professional associates and consultants for additional Services and any Reimbursable Expenses.

5.3 Witness Services. For witness or expert services rendered by Utility Contractor's principals, employees, resident project representatives (and assistants), and independent professional associates and consultants on behalf of the City in any litigation, arbitration, or other legal or interested administrative proceeding in which the City is a named interested party, City agrees to pay the Utility Contractor or independent professional associate or consultant, which is used as a witness or expert, an amount equal to that agreed upon by the party for a particular Task Authorization.

5.4 Reimbursable Expenses. In addition to payments provided in paragraphs 5.1, 5.2 and 5.3 above, City agrees to pay Utility Contractor the actual cost of all Reimbursable Expenses incurred in connection with any Task Authorization.

5.5 Payment. Upon receipt of a proper invoice from Utility Contractor, the City agrees to pay the Utility Contractor the invoice amount providing said amount accurately reflects the terms and conditions of this Agreement and any applicable Task Authorization. Invoices may only be submitted on a monthly basis unless otherwise agreed by the City. Unless otherwise agreed in writing by the City, there shall be no other compensation paid to the Utility Contractor and its principals, employees, resident project representatives (and assistants), and independent professional associates and consultants in the performance of Work under this Agreement. The City agrees to make all payments due within thirty (30) days of receipt of a proper invoice delivered by Utility Contractor.

5.6 Withholding Payments. Progress payments may be withheld if:

- a. Work is found defective and not remedied;
- b. Utility Contractor does not make prompt and proper payments to subcontractors;
- c. Utility Contractor does not make prompt and proper payments for labor, materials, or equipment furnished him;
- d. Another Contractor is damaged by an act for which Utility Contractor is responsible;
- e. Claims or liens are filed on the job; or
- f. In the opinion of the City, Utility Contractor's work is not progressing satisfactorily.

5.7 Final Payment. The City shall withhold up to 5% of the Contract Price set forth in any Task Authorization throughout the subject project in accordance with the Local Government Prompt Payment Act ("Act"). City shall promptly make payment to the Utility Contractor unless the City has grounds, under the Act, for withholding the payment of the retainage. The remaining retainage amount withheld shall be released with the Final Payment after the issuance of the Final Completion Certificate. City shall make final payment to Utility Contractor within thirty (30) days after the work is fully and properly completed, if the contract has been fully and timely performed, but subject to the condition that final payment shall not be due until Utility Contractor has delivered to CITY a complete release of liens arising out of the Task Authorization, or receipt of releases of lien fully covering all labor, materials and equipment for which a lien could be filed, or in the alternative a bond satisfactory to City indemnifying him against such claims.

By making payments, City does not waive claims including but not limited to those relating to:

- a. Faulty work appearing after substantial completion has been granted;
- b. Work that does not comply with the Task Authorization and this Agreement;
- c. Outstanding claims of liens; or
- d. Failure of Utility Contractor to comply with any special guarantees required by the Agreement and applicable Task Authorization.

6.0 RIGHT TO INSPECTION

6.1 City or its affiliates shall at all times have the right to review or observe the services performed by Utility Contractor. The City shall be given free access to the worksite at all times during work preparation and progress. The City's Project Manager is not obligated to make exhaustive or continuous onsite inspections to perform his or her duties of checking and reporting on work progress, and any such inspections shall not waive City's claim regarding defective work by Utility Contractor.

6.2 No inspection, review, or observation shall relieve Utility Contractor of its responsibility under this Agreement. The City will not be responsible for the means of construction, or for the sequences, methods and procedures used therein, or for the Utility Contractor's failure to perform the work in accordance with the applicable Task Authorization and this Agreements.

7.0 PROGRESS MEETING

7.1 City's Project Manager may hold periodic progress meetings on a monthly basis, or more frequently if required by the City, during the term of work entered into under this Agreement. Utility Contractor's Project Manager and all other appropriate personnel shall attend such meetings as designated by the City's Project Manager. The City's review, inspection, or approval of any Work, applications for payment, or other submittals shall be solely for the purpose of determining whether the same are generally consistent with the City's scope and requirements for the Project. No review, inspection, or approval by the City of such Work or documents shall relieve the Utility Contractor of its responsibility for the performance of its obligations under the applicable Task Authorization or the accuracy, adequacy, fitness, suitability, or coordination of the Work. Approval by any governmental or other regulatory agency or other governing body of any Work, design document, or construction document shall not relieve Utility Contractor of responsibility for the performance of its obligations under this Agreement and applicable Task Authorization. Payment by the City pursuant to the this Agreement shall not constitute a waiver of any of the City's rights under this Agreement or at law, and the Utility Contractor expressly accepts the risk that defects in its performance, if any, may not be discovered until after payment, including final payment, is made by the City. Notwithstanding the foregoing, prompt written notice shall be given by the City or City Project Manager to the Utility Contractor if the City becomes aware of any fault or defect in the subject Project or non-conformance with this Agreement and applicable Task Authorization. Furthermore, the City shall not have control or charge of construction means, methods,

techniques, sequences, or procedures, or for safety precautions and programs in connection with the Work, nor shall the Utility Contractor, for any of the foregoing purposes, be deemed the agent of the City.

8.0 RESPONSIBILITIES OF CONTRACTOR The Utility Contractor's duties and rights in connection with any Task Authorization issued by the City herein are as follows:

8.1 Responsibility for Supervision and Construction. Utility Contractor shall be solely responsible for all construction under the Task Authorization, including the techniques, sequences, procedures and means, for the coordination of all work. Utility Contractor shall supervise and direct the work, and give it all attention necessary for such proper supervision and direction.

8.2 Discipline and Employment. Utility Contractor shall maintain at all times strict discipline among his employees, and he agrees not to employ for work on the project any person unfit or without sufficient skill to perform the job for which he was employed.

8.3 Furnishing of Labor, Materials, etc. Utility Contractor shall provide and pay for all labor, materials and equipment, including tools, construction equipment and machinery, utilities, including water, transportation, and all other facilities and work necessary for the proper completion of work on the project in accordance with this Agreement and Task Authorization.

8.4 Payment of Taxes: Procurement of Licenses and Permits. Utility Contractor shall secure all licenses and permits necessary for proper completion of the work, paying the fees thereof. Utility Contractor warrants that it (and subcontractors or tradesmen, if authorized in the Task Authorization) hold or will secure all trade or professional licenses required by law for the Utility Contractor to undertake the Work required by the Task Authorization.

8.5 Guarantee. The Utility Contractor hereby guarantees the Work to the full extent provided in the Task Authorization and any applicable Plans, Specifications, General Conditions, Special Conditions and other contract documents. The Utility Contractor shall remove, replace and/or repair at its own expense and at the convenience of the City any faulty, defective or improper Work, materials or equipment discovered within one (1) year from the date of the acceptance of the project as a whole by the City or for such longer period as may be provided in the applicable Task Authorization, Plans, Specifications, General Conditions, Special Conditions or other contract documents. Without limiting the generality of the foregoing, the Utility Contractor warrants to the City, that all materials and equipment furnished under this Agreement and Task Authorizations will be of first class quality and new, unless otherwise required or permitted by the applicable Task Authorization, that the Work performed pursuant to this Agreement will be free from defects and that the Work will strictly conform with the requirements of the Task Authorization. Work not conforming to such requirements, including substitutions not properly approved and authorized, shall be considered defective. All warranties contained in this Agreement and in the Task Authorization shall be in addition to and not in limitation of all other warranties or remedies required and/or arising pursuant to applicable law. Furthermore, Utility Contractor will provide written guarantee for work and materials for a minimum of one (1) calendar year after acceptance by City unless a longer time period is

required by a Task Authorization. The one (1) period is not a limitation upon manufacturer warranties or Utility Contractor's payment and performance Bond(s).

8.6 Preparation/Sufficiency of Site. The Utility Contractor shall, among other things, and as applicable: (i) visit and thoroughly inspect the Project Sites and any structure(s) or other man-made features to be modified and become familiar with local conditions under which the Project will be constructed and operated; (ii) familiarize itself with any provided survey, including the location of all existing buildings, utilities, conditions, streets, equipment, components, and other attributes having or likely to have an impact on the Project; (iii) familiarize itself with the City's layout and design requirements, conceptual design objectives, and budget for the Projects; (iv) familiarize itself with pertinent Project dates, including the Project Schedule; (v) review and analyze all Project geotechnical, hazardous substances, structural, chemical, electrical, mechanical, and construction materials tests, investigations, and recommendations; and (vi) gather any other information necessary for a thorough understanding of the Project. If the Project involve modifications to any existing structure(s) or other man-made feature(s) on the Project Site, the Utility Contractor shall also review all as-built and record drawings, plans, and specifications of which the Utility Contractor has been informed by the City, and shall thoroughly inspect the existing structure(s) and man-made feature(s) to identify existing deficiencies and ascertain the specific locations of pertinent structural components. Claims by the Utility Contractor resulting from its failure to familiarize itself with the Project Sites or pertinent documents shall be deemed waived.

8.7 Safety. Utility Contractor shall be solely and absolutely responsible and assume all liability for the safety and supervision of its principals, employees, resident project representatives (and assistants) while performing Services provided hereunder.

9.0 REASONABLE ACCESS

9.1 During the term of this Agreement, City shall grant Utility Contractor reasonable access to the City's premises, records, and files for purposes of fulfilling its obligations under this Agreement.

10.0 INSURANCE

10.1 **Liability Amounts.** During the term of this Agreement, Utility Contractor shall be responsible for providing the types of insurance and limits of liability as set forth below.

A. Professional Liability: If professional services are rendered under any Task Authorization, proof of professional liability insurance shall be provided to the City for the minimum amount of \$1,000,000 as the combined single limit for each occurrence.

B. The Utility Contractor shall maintain comprehensive general liability insurance in the minimum amount of \$2,000,000 as the combined single limit for each occurrence to protect the Utility Contractor from claims of property damages which may arise from any Services performed under this Agreement whether such Services are performed by the Utility Contractor or by anyone directly employed by or contracting with the Utility Contractor.

C. The Utility Contractor shall maintain comprehensive automobile liability insurance in the minimum amount of \$1,000,000 combined single limit bodily injury and minimum \$50,000 property damage as the combined single limit for each occurrence to protect the Utility Contractor from claims for damages for bodily injury, including wrongful death, as well as from claims from property damage, which may arise from the ownership, use, or maintenance of owned and non-owned automobiles, including rented automobiles whether such operations be by the Utility Contractor or by anyone directly or indirectly employed by the Utility Contractor.

D. Utility Contractor shall maintain, during the life of this Agreement, adequate Workers' Compensation Insurance and Employers' Liability Insurance in at least such amounts as are required by law for all of its employees performing Work for the City pursuant to this Agreement.

10.2 Special Requirements. Current, valid insurance policies meeting the requirements herein identified shall be maintained during the term of this Agreement. Renewal certificates shall be sent to the City thirty (30) days prior to any expiration date. There shall also be a 30-day advance written notification to the City in the event of cancellation or modification of any stipulated insurance coverage. **With the exception of any required professional insurance policy hereunder, the City shall be an additional named insured on all stipulated insurance policies as its interest may appear, from time to time.**

10.3 Independent Associates and Consultants. All independent associates and consultants employed by Utility Contractor to perform any Services hereunder shall fully comply with the insurance provisions contained in this paragraph.

11.0 COMPLIANCE WITH LAWS AND REGULATIONS

11.1 Utility Contractor shall comply with all requirements of federal, state, and local laws, rules, regulations, standards, and/or ordinances applicable to the performance of Services under this Agreement.

12.0 REPRESENTATIONS

12.1 Utility Contractor represents that the Services provided hereunder shall conform to all requirements of this Agreement and any Task Authorization, shall be consistent with recognized and sound construction practices and procedures; and shall conform to the customary standards of care, skill, and diligence appropriate to the nature of the Services rendered.

12.2 Utility Contractor represents that all principals, employees, and other personnel furnishing such Services shall be qualified and competent to perform the Services assigned to them and that such guidance given by and the recommendations and performance of such personnel shall reflect their best professional knowledge and judgment.

13.0 GUARANTEE AGAINST INFRINGEMENT

13.1 Utility Contractor guarantees that all Services performed under this Agreement shall be free from claims of patent, copyright, and trademarks infringement. Notwithstanding

any other provision of this Agreement, Utility Contractor shall indemnify, hold harmless, and defend City, its officers, directors, attorneys, employees, agents assigns, and servants from and against any and all liability, including expenses, legal or otherwise, for actual or alleged infringement of any patent, copyright, or trademark resulting from the use of any goods, Services, or other item provided under this Agreement. Notwithstanding the foregoing, Utility Contractor may elect to provide non-infringing services.

14.0 DOCUMENTS

14.1 Public Records. Pursuant to Section 119.0701, Florida Statutes and other applicable public records laws, Utility Contractor agrees that any records, documents, transactions, writings, papers, letters, computerized information and programs, maps, books, audio or video tapes, films, photographs, data processing software, writings or other material(s), regardless of the physical form, characteristics or means of transmission, of Utility Contractor related, directly or indirectly, to the services provided to the City under this Agreement and made or received pursuant to law or ordinance or in connection with the transaction of official business by the City, may be deemed to be a public record, whether in the possession or control of City or the Utility Contractor. Said records, documents, transactions, writings, papers, letters, computerized information and programs, maps, books, audio or video tapes, films, photographs, data processing software, writings or other material(s), regardless of the physical form, characteristics or means of transmission of Utility Contractor are subject to the provisions of Chapter 119, Florida Statutes, and may not be destroyed without the specific written approval of the City's designated custodian of public records.

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CITY'S CUSTODIAN OF PUBLIC RECORDS/CITY CLERK AT (321) 433-8484, 65 STONE STREET, COCOA, FLORIDA 32922.

Utility Contractor is required to and agrees to comply with public records laws. Utility Contractor shall keep and maintain all public records required by City to perform the services as agreed to herein. Utility Contractor shall provide the City, upon request from the CITY CLERK, copies of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided by law. Utility Contractor shall ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the Agreement term. Upon completion of the Agreement, Utility Contractor shall transfer to City, at no cost, all public records in possession of the Utility Contractor, provided the transfer is requested in writing by the City Clerk. Upon such transfer, Utility Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. However, if the City Clerk does not request that the public records be transferred, the Utility Contractor shall continue to keep and maintain the public records upon completion of the Agreement and shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to City, upon request from the City Clerk, in a format that is compatible with the information technology systems of City. Should the City not possess public records relating to this Agreement which are requested to be inspected or copied

by the City or any other person, the City shall immediately notify Utility Contractor of the request and the Utility Contractor shall then provide such records to the City or allow the records to be inspected or copied within a reasonable time. If the Utility Contractor does not comply with a public records request, the City may enforce this Section to the extent permitted by law. Utility Contractor acknowledges that if the Utility Contractor does not provide the public records to the City within a reasonable time, the Utility Contractor may be subject to penalties under Section 119.10, Florida Statutes. The Utility Contractor acknowledges that if a civil action is filed against the Utility Contractor to compel production of public records relating to this Agreement, the court may assess and award against Utility Contractor the reasonable costs of enforcement, including reasonable attorney fees. All public records in connection with this Agreement shall, at any and all reasonable times during the normal business hours of the Utility Contractor, be open and freely exhibited to the City for the purpose of examination, audit or otherwise. Failure by Utility Contractor to grant such public access and comply with public records laws and/or requests shall be grounds for immediate unilateral cancellation of this Agreement by the City upon delivery of a written notice of cancellation. If the Utility Contractor fails to comply with this Section, and the City must enforce this Section, or the City suffers a third party award of attorney's fees and/or damages for violating Chapter 119, Florida Statutes, due to Utility Contractor failure to comply with this Section, the City shall collect from Utility Contractor prevailing party attorney's fees and costs, and any damages incurred by the City, for enforcing this Section against Utility Contractor. And, if applicable, the City shall also be entitled to reimbursement of all attorneys' fees and damages which the City had to pay a third party because of the Utility Contractor failure to comply with this Section. The terms and conditions set forth in this Section shall survive the termination of this Agreement.

14.2 Reuse of Documents. All documents, including but not limited to, drawings, specifications, and data, or programs stored electronically or otherwise, prepared by the Utility Contractor and its independent contractors and associates pursuant to this Agreement or related exclusively to the Services described herein may be reused by the City for any reason or purpose at anytime. However, the City agrees that the aforesaid documents are not intended or represented to be suitable for reuse by the City or others on any undertaking other than the Work outlined in this Agreement. Any reuse for an undertaking other than for the Work without verification or adoption by the Utility Contractor, or its independent contractors and associates if necessary, to specific purposes intended will be at the City's sole risk and without liability or legal exposure to the Utility Contractor.

14.3 The Utility Contractor acknowledges that the City is a Florida Municipal Corporation and subject to the Florida Public Records Law. Utility Contractor agrees that to the extent any document produced by Utility Contractor under this Agreement constitutes a Public Record, Utility Contractor shall comply with the Florida Public Records Law.

15.0 ASSIGNMENT

15.1 Utility Contractor shall not assign or subcontract this Agreement, any Task Authorization hereunder, or any rights or any monies due or to become due hereunder without the prior, written consent of City.

15.2 If upon receiving written approval from City, any part of this Agreement is subcontracted by Utility Contractor, Utility Contractor shall be fully responsible to City for all acts and/or omissions performed by the subcontractor as if no subcontract had been made.

15.3 If City determines that any subcontractor is not performing in accordance with this Agreement, City shall so notify Utility Contractor who shall take immediate steps to remedy the situation.

15.4 If any part of this Agreement is subcontracted by Utility Contractor, prior to the commencement of any Work by the subcontractor, Utility Contractor shall require the subcontractor to provide City and its affiliates with insurance coverage as set forth by the City.

16.0 INDEPENDENT CONTRACTOR

16.1 At all times during the term of this Agreement, Utility Contractor shall be considered an independent contractor and not an employee of the City.

17.0 TERMINATION; DEFAULT BY UTILITY CONTRACTOR AND CITY'S REMEDIES

17.1 The City reserves the right to revoke and terminate this Agreement and rescind all rights and privileges associated with this Agreement, without penalty, at any time with or without cause. Without limitation, the following shall be considered cause for terminating this Agreement and shall constitute a default hereunder:

17.2 Utility Contractor defaults in the performance of any material covenant or condition of this Agreement and does not cure such other default within thirty (30) calendar days after written notice from the City specifying the default complained of, unless, however, the nature of the default is such that it cannot, in the exercise of reasonable diligence, be remedied within thirty (30) calendar days, in which case the Utility Contractor shall have such time as is reasonably necessary to remedy the default, provided the Utility Contractor promptly takes and diligently pursues such actions as are necessary.

17.3 Utility Contractor is adjudicated bankrupt or makes any assignment for the benefit of creditors or Utility Contractor becomes insolvent, or is unable or unwilling to pay its debts; or

17.4 Utility Contractor has acted negligently, as defined by general and applicable law, in performing the Work hereunder; or

17.5 Utility Contractor has committed any act of fraud upon the City; or

17.6 Utility Contractor has made a material misrepresentation of fact to the City while performing its obligations under this Agreement.

17.7 Utility Contractor is experiencing a labor dispute which threatens to have a substantial, adverse impact upon performance of this Agreement without prejudice to any other right or remedy City may have under this Agreement.

17.8 Utility Contractor fails to comply with any condition or provision of this Agreement including any Task Authorization.

17.9 Notwithstanding the aforementioned, in the event of a default by Utility Contractor, the City shall have the right to exercise any other remedy the City may have by operation of law, without limitation, and without any further demand or notice. In the event of such termination, City shall be liable only for the payment of all unpaid charges, determined in accordance with the provisions of this Agreement, for Work properly performed prior to the effective date of termination. Additionally, in the event of such termination upon default and breach of this Agreement, the City may take possession of the Project Site and of all materials, tools, and appliances thereon and finish the work by whatever method the City may deem expedient. Any completed services performed by Utility Contractor under this Agreement shall, at the option of the City, become the City's property and Utility Contractor shall be entitled to receive equitable compensation for any Work completed to the satisfaction of the City. The Utility Contractor, however, shall not be relieved of liability to the City for damages sustained by the City by reason of any breach of the Agreement, and the City may withhold any payments to Utility Contractor for the purpose of setoff until such time as the amount of damages due to the City from Utility Contractor can be determined.

18.0 FORCE MAJEURE

18.1 Any delay or failure of either party in the performance of its required obligations hereunder shall be excused if and to the extent caused by acts of God; fire; plague; pandemic; flood; windstorm; explosion; riot; war; sabotage; strikes; extraordinary breakdown of or damage to City's affiliates' generating plants, their equipment, or facilities; court injunction or order; federal and/or state law or regulation; order by any regulatory agency; or cause or causes beyond the reasonable control of the party affected; provided that prompt notice of such delay is given by such party to the other and each of the parties hereunto shall be diligent in attempting to remove such cause or causes. If any circumstance of Force Majeure remains in effect for sixty (60) days, either party may terminate this Agreement.

19.0 GOVERNING LAW & VENUE

19.1 This Agreement is made and shall be interpreted, construed, governed, and enforced in accordance with the laws of the State of Florida. Venue for any state action or litigation shall be Brevard County, Florida. Venue for any federal action or litigation shall be Orlando, Florida.

19.2 The parties agree that should any dispute arise between them regarding the terms or performance of this Agreement, both parties will participate in mediation. The parties agree to equally share the cost of the mediator. Should the parties fail to resolve their differences through mediation, then any cause of action filed hereunder shall be filed in the Circuit or County Court for Brevard County, Florida.

20.0 HEADINGS

20.1 Paragraph headings are for the convenience of the parties only and are not to be construed as part of this Agreement.

21.0 SEVERABILITY

21.1 In the event any portion or part of thereof this Agreement is deemed invalid, against public policy, void, or otherwise unenforceable by a court of law, the parties shall negotiate an equitable adjustment in the affected provision of this Agreement. The validity and enforceability of the remaining parts of this Agreement shall otherwise be fully enforceable.

22.0 WAIVER AND ELECTION OF REMEDIES

22.1 Waiver by either party of any term, condition or provision of this Agreement shall not be considered a waiver of that term, condition, or provision in the future.

22.2 No waiver, consent, or modification of any of the provisions of this Agreement shall be binding unless in writing and signed by a duly authorized representative of each party hereto.

23.0 THIRD PARTY RIGHTS

23.1 Nothing in this Agreement shall be construed to give any rights or benefits to anyone other than City and Utility Contractor.

24.0 PROHIBITION AGAINST CONTINGENT FEES

24.1 Utility Contractor warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Utility Contractor, to solicit or secure this Agreement, and that it has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the Utility Contractor, any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or making of this Agreement.

25.0 ENTIRE AGREEMENT

25.1 This Agreement, including any Task Authorizations and Schedules, Attachments, Appendix's and Exhibits attached hereto, constitute the entire agreement between City and Utility Contractor with respect to the Services specified and all previous representations relative thereto, either written or oral, are hereby annulled and superseded. The terms and conditions of this Agreement shall be deemed automatically incorporated into any Task Authorization approved and executed hereunder regardless if the Task Authorization references this Agreement.

26.0 NO JOINT VENTURE

26.1 Nothing herein shall be deemed to create a joint venture or principal-agent relationship between the parties; and neither party is authorized to, nor shall either party act toward third persons or the public in any manner which would indicate any such relationship with the other.

27.0 ATTORNEY'S FEES

27.1 Should either party bring an action to enforce any of the terms of this Agreement, each party shall bear its own costs and expenses of such action including, but not limited to, reasonable attorney's fees, whether at settlement, trial or on appeal.

28.0 COUNTERPARTS

28.1 This Agreement may be executed in any number of counterparts, each of which when so executed and delivered shall be considered an original agreement; but such counterparts shall together constitute but one and the same instrument.

29.0 AGREEMENT INTERPRETATION; DRAFTING

29.1 At its discretion, during the course of the work, should any errors, ambiguities or discrepancies be found in the Agreement or specifications, the City at its sole discretion will interpret the intent of the Agreement and work descriptions and the Utility Contractor hereby agrees to abide by the City's interpretation and agrees to carry out the work in accordance with the decision of the City. When the material, article or equipment is designated by a brand name and more than one brand name is listed, it will be understood that the work is based on one brand name only. The Utility Contractor will be responsible for all coordination necessary to accommodate the material, article or equipment being provided without additional cost to the City. A substitute material, article or equipment is allowed if it is reasonably equivalent to the brand name specified. The City has full discretion to decide whether a substitute is reasonably equivalent. Utility Contractor must notify the City prior to use of the substitute for a specified brand name and allow the City to make a determination before Utility Contractor uses the substitute.

29.2 City and Utility Contractor each represent that they have both shared equally in drafting this Agreement and no party shall be favored or disfavored regarding the interpretation of this Agreement in the event of a dispute between the parties in a court of competent jurisdiction, except as provided in Section 29.1.

30.0 NON-DISCRIMINATION

30.1 Utility Contractor warrants and represents that all of its employees are treated equally during employment without regard to race, color, religion, disability, sex, age, national origin, ancestry, marital status, or sexual orientation.

31.0 PUBLIC ENTITY CRIMES

31.1 As provided in §287.132 and §287.133, *Florida Statutes*, by entering into this Contract or performing any work in furtherance hereof, the Utility Contractor certifies that it, its affiliates, suppliers, subcontractors and Contractors who will perform hereunder, have not been placed on the convicted vendor list maintained by the State of Florida Department of Management Services within the 36 months immediately preceding the date hereof. This notice is required by §287.133(3)(1), *Florida Statutes*.

32.0 CODE REQUIREMENTS

32.1 The Utility Contractor and its subcontractors on any project must be familiar with all applicable Federal, State, County, City and Local Laws, Regulations or Codes and be governed accordingly as they will apply to the project and the actions or operations of those engaged in the work or concerning materials used. Utility Contractor shall ask for and receive any required inspections.

33.0 TESTING

33.1 The Utility Contractor shall be responsible for all tests and testing required by this Contract, unless otherwise specified. All testing shall be done in the presence of a representative of the City. The City reserves the right to test all materials, products, installations and equipment.

33.2 All pipelines will be placed in satisfactory operating condition by the Utility Contractor prior to final payment, and the Utility Contractor shall furnish a letter addressed to the City advising that the completed Work has been installed in accordance with the plans and specifications of this Contract and that all items are in proper operating condition.

34.0 CITY'S RIGHT TO STOP WORK

34.1 If the Utility Contractor persistently fails or refuses to perform the Work in accordance with the contract documents, the City shall have the right, but not an obligation, to order the Utility Contractor to stop the Work, or any described portion thereof, until the cause for stoppage has been corrected, no longer exists, or the City orders that the Work be resumed. In such event, the Utility Contractor shall immediately obey such order. A stop work directive provided under this paragraph shall not entitle the Utility Contractor to an extension of the completion date.

35.0 CITY'S RIGHT TO PERFORM WORK

35.1 If the Utility Contractor's Work is stopped by City, or if the Utility Contractor persistently fails or refuses to perform the Work in accordance with the contract documents, and the Utility Contractor fails within three (3) working days of such stoppage, failure, or refusal, to provide adequate assurance to the City that the cause of such stoppage, failure, or refusal will be

eliminated or corrected, then the City may, without prejudice to any other rights or remedies the City may have against Utility Contractor, proceed to carry out the subject Work. In such a situation, an appropriate change order shall be issued deducting from the contract price the cost of correcting the subject deficiencies, plus compensation for the City's Consultant's additional services and expenses necessitated thereby, if any. If the unpaid portion of the contract price is insufficient to cover the amount due the City, the Utility Contractor shall pay the difference to the City.

36.0 EMERGENCIES

36.1 All emergencies affecting the safety or protection of persons or the Work or property at the site or adjacent thereto, the Utility Contractor, without special instruction or authorization from the City or the City's authorized representative, is obligated to immediately act to prevent threatened damage, injury, or loss. The Utility Contractor shall give the City's authorized representative(s) written documentation within three (3) days from the inception of said emergency if the Utility Contractor believes that any significant changes in the Work or variations from the contract documents have been caused thereby. If the City's authorized representative determines that a change in the contract documents is required because of action taken by the Utility Contractor in response to such an emergency, a change order will be issued to document the consequences of such action.

37.0 WARRANTY / GUARANTEE

Unless otherwise required by the specifications, the Utility Contractor shall furnish a one (1) year warranty on all equipment, furnishings, and installation provided hereunder against defect in material and/or workmanship. The warranty shall become effective on the Date of Substantial Completion and acceptance by the City or as otherwise required by law. Should any defect in materials or workmanship, excepting ordinary wear and tear, be discovered during the above-stated warranty period, the Utility Contractor, upon written notice from the City, shall immediately repair or replace same at no cost to the City. The Utility Contractor will not be liable under the above warranty for any defects or damages resulting from unforeseeable causes beyond the control, and without fault or negligence, of the Utility Contractor, such as misuse or neglect by the City, acts of God, fires, floods and hurricanes.

38.0 WAIVER OF JURY TRIAL

38.1 The City and Utility Contractor hereby knowingly, irrevocably, voluntarily and intentionally waive any right either may have to a trial by jury in respect to any action, proceeding, lawsuit or counterclaim based upon the contract, arising out of, under, or in connection with the construction of the work, or any course of conduct, course of dealing, statements (whether verbal or written) or the actions or inactions of any party.

39.0 BARRICADES

39.1 The Utility Contractor shall provide all barricades and/or protective safety devices and shall take all necessary precautions to protect all personnel and property. The

Utility Contractor shall remove said barricades and/or safety devices from City property at the completion of the project.

40.0 COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ACT

40.1 By the submission of its Bid, Bidder certifies that all material, equipment, etc. contained in its bid meets all Occupational Safety and Health Act (OSHA) requirements. Bidder further certifies that if it is the successful Bidder, and any of the material, equipment, etc. delivered is subsequently found to be deficient of any OSHA requirement in effect on date of delivery, all costs necessary to bring the material, equipment, etc. into compliance with the aforementioned requirements shall be borne by the Bidder. Furthermore, in compliance with Florida law, any item delivered from a Task assigned under this Agreement must be accompanied by a Material Safety Data Sheet (MSDS). The MSDS must include the following information:

- A. The chemical name and common name of the toxic substance
- B. The hazards or other risks in the use of the toxic substances including:
 - 1. The potential for fire, explosion, corrosion and reactivity
 - 2. The known acute and chronic health effects of risks from exposure, including the medical conditions which are generally recognized as being aggravated by exposure to the toxic substance
 - 3. The primary routes of entry and symptoms of over-exposure
- C. The proper precautions, handling practices, necessary personal protective equipment, and other safety precautions in the use of or exposure to the toxic substances, including appropriate emergency treatment in case of over-exposure
- D. The emergency procedure for spills, fire, disposal and first aid
- E. A description in lay terms of the known specific potential health risks posed by the toxic substance intended to alert any person reading this information
- F. The year and month, if available, that the information was compiled and the name, address and emergency telephone number of the manufacturer responsible for preparing the information

41.0 STORAGE, REMOVAL AND DISPOSAL OF SOLID WASTE/CONSTRUCTION DEBRIS

41.1 The Utility Contractor must comply with all applicable City Codes and solid waste franchise agreements regarding the storage, removal, and disposal of solid waste and construction debris. Prior to performing any Services required hereunder, the Utility Contractor shall contact the City's Utilities Department for information relative to complying with this section.

42.0 MATERIALS, INSTALLATION AND PERFORMANCE

42.1 The Utility Contractor shall be responsible for the provision, installation and performance of all equipment, materials, services, etc. offered in their Bid. The Utility Contractor is in no way relieved of the responsibility for the performance of all equipment furnished or of assuring the timely delivery of materials, equipment, etc. even though it is not of their own manufacture. Unless otherwise specified, material storage shall be on site and within the defined area of the Work and within the Utility Contractor's area of responsibility.

43.0 SET UP AND CONNECTIONS

43.1 All equipment is to be set up, connected to utilities, checked and demonstrated at no charge to the City. The Utility Contractor shall be responsible for all transportation, off-loading, handling, storage and installation of any City-furnished Utility Contractor-installed material and equipment.

44.0 SAFETY AND PROTECTION OF PROPERTY

44.1 The Utility Contractor shall take all reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury or loss to, its employees on the Work and all other persons who may be affected thereby; the Work and materials and equipment to be incorporated therein; and all other property at the site or adjacent thereto including, but not limited to, trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course of construction. The Utility Contractor shall comply with all applicable laws, ordinances, rules, regulations and lawful orders of public authorities bearing on safety of persons or property or their protection from damage, injury or loss, and shall give all notices required by same. This requirement includes, but is not limited to, the United States Occupational Safety and Health Act and the Florida Trench Safety Act, *Florida Statute* §553.60.

45.0 TAXES

45.1 The Utility Contractor shall pay all applicable sales, consumer-use, and other similar taxes required by law. The Utility Contractor is responsible for reviewing the pertinent State Statutes involving the sales tax and complying with all requirements.

46.1 ENTIRETY OF CONTRACT

46.1 The City and the Utility Contractor agree that this Contract sets forth the entire Contract between the parties and that there are no promises or understandings other than those stated herein. None of the provisions, terms and conditions contained in this Contract may be added to, modified, superseded or otherwise altered, except by written instrument executed by the parties hereto in accordance with Article 3.0 – Changes in the Scope of Work.

47.0 NOTICE

For Utility Contractor
Atlantic Development of Cocoa, Inc.

2185 West King Street
Cocoa, Florida 32926
Attention: _____
Phone: 321-639-8788

For City:

City of Cocoa/ Utilities Department
Attention: Utilities Director
351 Shearer Blvd.
Cocoa, Florida 32922
(321) 433-8710

47.1 Either party may change the notice address by providing the other party written notice of the change.

48.0 SOVEREIGN IMMUNITY

48.1 Notwithstanding any other provision set forth in this Agreement, nothing contained in this Agreement shall be construed as a waiver of the City's right to sovereign immunity under section 768.28, Florida Statutes, or other limitations imposed on the City's potential liability under state or federal law. As such, the City shall not be liable under this Agreement for punitive damages or interest for the period before judgment. Further, the City shall not be liable for any claim or judgment, or portion thereof, to any one person for more than two hundred thousand dollars (\$200,000.00), or any claim or judgment, or portion thereof, which, when totaled with all other claims or judgments paid by the State or its agencies and subdivisions arising out of the same incident or occurrence, exceeds the sum of three hundred thousand dollars (\$300,000.00). This paragraph shall survive termination of this Agreement.

49.0 CORPORATE REPRESENTATIONS BY UTILITY CONTRACTOR

49.1 Utility Contractor hereby represents and warrants to the City the following:

A. Utility Contractor is duly registered and licensed to do business in the State of Florida and is in good standing under the laws of Florida, and is duly qualified and authorized to carry on the functions and operations set forth in this Agreement.

B. The undersigned representative of Utility Contractor has the power, authority, and legal right to execute and deliver this Agreement on behalf of Utility Contractor.

50.0 INDEMNIFICATION.

50.1 For other and additional good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Utility Contractor shall indemnify, hold harmless and defend the City, its officers, agents, officials, representatives, employees, and/or

attorneys against any and all liability, loss, cost, damages, expenses, claim or actions, of whatever type, including but not limited to attorney's fees and suit costs, for trial and appeal, which the City may hereafter sustain, incur or be required to pay, arising out of, wholly or in part, or due to any act or omission of Utility Contractor, its agent(s), vendors, contractors, subcontractor(s), representatives, servants or employees in the execution, performance or non-performance or failure to adequately perform Utility Contractor's obligations pursuant to this Agreement and any and all Task Authorizations hereunder.

50.2 The indemnification provided above shall obligate the indemnifying party to defend at its own expense or to provide for such defense, at the sole option of the City, as the case may be, of any and all claims of liability and all suits and actions of every name and description that may be brought against the City, its officers, agents, officials, representatives, employees, and/or attorneys which may result from the services under this Agreement whether the services be performed by the indemnifying party or anyone directly or indirectly employed or hired by them. In all events the City shall be permitted to choose legal counsel of its sole choice, the fees for which shall be subject to and included with this indemnification provided herein, as long as said fees are reasonable. This paragraph shall survive termination of this Agreement.

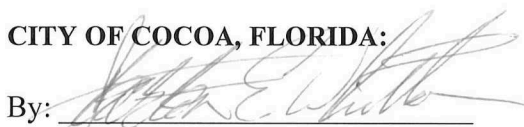
The Utility Contractor specifically assumes potential liability for actions brought by Utility Contractor's own employees against the City and, solely for the purpose of this indemnification and defense, Utility Contractor specifically waives its entitlement, if any, to immunity under Section 440.11, Florida Statutes. This waiver has been specifically and mutually negotiated by the parties.

PURSUANT TO SECTION 558.0035, FLORIDA STATUTES, AN INDIVIDUAL EMPLOYEE OR AGENT OF THE CONTRACTOR MAY NOT BE HELD INDIVIDUALLY LIABLE FOR ECONOMIC DAMAGES RESULTING FROM NEGLIGENCE UNDER THIS AGREEMENT IF THE CONDITIONS OF SECTION 558.0035 ARE SATISFIED.

IN WITNESS WHEREOF, the parties hereto caused this Agreement to be executed by their duly authorized representatives as of the date first written above.

CITY:

CITY OF COCOA, FLORIDA:

By: 
Stockton Whitten, City Manager

ATTEST:


Carie Shealy, City Clerk



UTILITY CONTRACTOR:

Atlantic Development of Cocoa, Inc.:

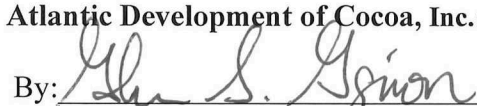
By: 
Print Name/Title: Glenn S. Grignon
Vice President

EXHIBIT "A"

SCOPE OF SERVICES UTILITY GENERAL CONSTRUCTION CONTRACTOR AGREEMENT

The Scope of Services to be provided by the Utility Contractor shall include all phases of underground utility services. The Utility Contractor has already been pre-qualified by City to perform the following:

- Install new water, sewer, and/or reclaim pressure pipe, gravity main, manholes, valves, fire hydrants, service lines, air release valves, and other associated infrastructure and appurtenances.
- Repair and/or replace water, sewer, and/or reclaim pressure pipe, gravity main, manholes, valves, fire hydrants, service lines, air release valves, and other associated infrastructure and appurtenances.
- Repair and/or replace or installation of new piping and associated appurtenances located at the water and wastewater plants and the wellfield
- Perform line stops / install insert valves on various size pipe to include large diameter transmission mains
- The projects will consist of various size pipe consisting of various materials: i.e.: metal, plastic, Asbestos Cement Pipe, and reinforced concrete.
- All work on the City of Cocoa Utility system shall meet the requirements of the City of Cocoa Utilities Technical Provisions and Standard Details
- The Contractor shall include a Critical Path Method Schedule for each project. The requirements will be detailed in the specifications for each project.
- Work shall include any associated restoration, maintenance of traffic, erosion control, clearing and grubbing, or other similar ancillary work to complete the project
- Restoration of FDOT, Brevard County, City of Cocoa, or other local jurisdiction roads (to included driveways, curbing, and sidewalk), storm water systems, and/or other utilities affected by the utility work. The restoration shall be per the governing authority's specifications and requirements
- Contractor shall meet all safety requirements as required by all governing State law, municipal ordinances, OSHA Standards, and as may be necessary to protect life, property, or the work.

Quotes will first be obtained from Utility Contractor prior to commencement of any planned project. The City shall retain the right to refuse any quote for just cause.

For each project Utility Contractor will supply the following:

- A. Labor, equipment and material (unless material is supplied by City by mutual agreement)
- B. Traffic control: On-site personnel must be certified in FDOT Maintenance of Traffic Level III Work Zone Training.

- C. Supervision: On-site personnel in charge must be OSHA Certified Competent Person
- D. De-watering
- E. As-built drawings: When project is completed

EXHIBIT "B"

FORM

PUBLIC CONSTRUCTION BOND

In compliance with Section 255.05, Florida Statutes

BOND NO.:	
Contractor Name:	
Contractor Address:	
Contractor Phone No.:	
Surety Company:	
Surety Agent:	
Owner Name:	City of Cocoa
Owner Address:	65 Stone Street
	Cocoa, Florida 32922
Owner Phone No.	(321) 433-8710
Owner Fax No.	
Owner Email:	
Contract Date:	
Contract Amount:	\$
Bond Amount:	\$
Contract No. (if applicable):	
Description of Work:	
Project Address:	
Legal Description:	

Bid Number:

BY THIS BOND, We, _____, a _____ as Principal, and _____ a _____ Corporation as Surety, are hereby bound to the **CITY OF COCOA**, a Florida municipal corporation, herein called Owner, in the sum of \$_____, for payment of which we bind ourselves, our heirs, personal representatives, successors, and assigns, jointly and severally.

THE CONDITION OF THIS BOND is that if Principal:

- a. Performs the _____ Agreement dated _____, 20____, (“Agreement”) between Principal and Owner for construction of the _____ as specified in the Agreement, the Agreement being made a part of this bond by reference, at the times and in the manner prescribed in this Agreement; and
- b. Promptly makes payments to all claimants, as defined in section 255.05(1), Florida Statutes, supplying Principal with labor, materials, or supplies, used directly or indirectly by Principal in the prosecution of the work provided for in the Agreement; and
- c. Pays Owner all losses, damages, including delay damages, expenses, and costs that Owner sustains because of a default by Principal under the Agreement; and
- d. Performs the guarantee of all work and materials furnished under the Agreement for the time specified in the Agreement and by law including all warranties and guarantees specified in the Agreement, then this bond is to be void; otherwise it remains in full force and effect.
- e. In any action against this performance bond, the Owner is entitled to attorney’s fees under sections 627.428 and 627.756, Florida Statutes, and Danis Industries Corp. v. Ground Improvement Techniques, 645 So.2d 420 (Fla. 1994) and McCarthy Bros. Co. v. Tilbury Construction, Inc., 849 So.2d 7 (Fla. 1st DCA 2003), including appellate attorney’s fees.

Any action instituted by a claimant under this bond for payment must be in accordance with the notice and time limitation provisions in Section 255.05(2), Florida Statutes.

Any changes in or under the contract documents and compliance or noncompliance with any formalities connected with the contract or the changes does not affect Surety’s obligation under this bond.

IN WITNESS WHEREOF, the said Principal and Surety have assigned and sealed this instrument this _____ day of _____ 2020.

CONTRACTOR AS PRINCIPAL

_____, a _____:

(Corporate Seal)

Signature _____

Title _____

SURETY

Company:

(Corporate Seal)

Signature _____

Title _____

Approved as to Form:

Cocoa City Attorney



Finance Department
Purchasing Division
65 Stone Street | Cocoa, FL 32922
Phone: (321) 433-8844 | Email: dkozlak@cocoafl.gov

CITY OF COCOA
AMENDMENT TO AGREEMENT FOR UTILITIES
GENERAL CONSTRUCTION CONTRACTOR SERVICES
1ST AMENDMENT
ATLANTIC DEVELOPMENT OF COCOA, INC.
RFP NO. 20-18-COC

This 1ST Amendment to the "AGREEMENT FOR UTILITIES GENERAL CONSTRUCTION CONTRACTOR SERVICES" is made between the City of Cocoa and Atlantic Development of Cocoa, Inc. located at 2185 West King Street, Cocoa, Florida 32926.

The agreement entered into on November 9, 2020, is hereby amended to renew for the first renewal option available for one (1) two-year renewal, commencing on November 9, 2023, and terminating on November 8, 2025.

All other terms, conditions, provisions, and scope of services remain unchanged. By signing below, each party indicates its approval of this Amendment for Contract.

ATLANTIC DEVELOPMENT OF COCOA,
INC.

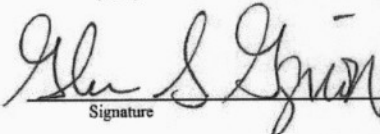
CITY OF COCOA

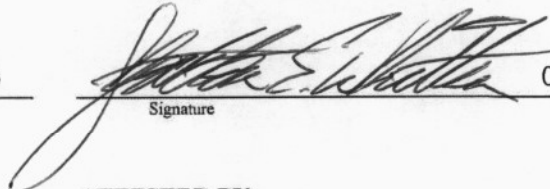
By: Glenn S. Grignon
(Name) Printed

By: Stockton Whitten
(Name) Printed

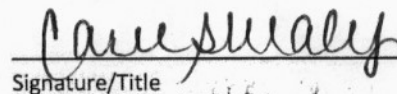
Vice President
(Title)

City Manager
(Title)

 05/05/2023
Signature Date

 06/06/2023
Signature Date

ATTESTED BY:

 City Clerk
Signature/Title

CC: Carrie Shealy, City Clerk
John A. Walsh, P.E. Utilities Director
Diane Kozlak, Senior Buyer & Contract Agent

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

4/24/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION** IS **WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Baldwin Krystyn Sherman Partners LLC 1115 Bartow Rd Lakeland FL 33801	CONTACT NAME: Angel McGhee PHONE (A/C, No, Ext): 863-686-2113 E-MAIL ADDRESS: Angel.McGhee@BKS-Partners.com	FAX (A/C, No): 863-682-6292
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: FCCI Insurance Company		10178
INSURER B: Markel American Insurance Comp		28932
INSURER C:		
INSURER D:		
INSURER E:		
INSURER F:		

License#: L002281
ATLADEV-01**COVERAGES****CERTIFICATE NUMBER:** 2025040863**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR ☒ \$2,000 PD Ded GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☒ LOC OTHER:			GL100092031	4/23/2024	4/23/2025	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY ☒ PIP			CA100092032	4/23/2024	4/23/2025	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ PIP \$ 10,000
A	☒ UMBRELLA LIAB ☐ EXCESS LIAB DED ☒ RETENTION \$ 10,000			UMB100092033	4/23/2024	4/23/2025	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y / N ☒ N	N / A	WC0 100091956	4/18/2024	4/18/2025	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	Rented or Leased Equipment			MKLM2IM0002473	4/23/2024	4/23/2025	\$400,000 Limit \$5,000 Deductible

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

City of Cocoa is included as additional insured in respect to general liability on a primary and no contributory basis and auto liability as required by written contract. Waiver of subrogation applies to additional insured for general liability, auto liability and workers' compensation.

CERTIFICATE HOLDER**CANCELLATION**

City of Cocoa Utilities Department
Attn: Jack Walsh
Utilities Director 351 Shearer Boulevard
Cocoa FL 32922
USA

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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RESOLUTION NO. 2025-032

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA; AUTHORIZING THE CITY MANAGER TO APPROVE AND EXECUTE CHANGE ORDERS TO THE STORMWATER TASK ORDER PURCHASE ORDERS FOR THE RECONSTRUCTION OF STORMWATER INFRASTRUCTURE IN AN AMOUNT NOT TO EXCEED THE TOTAL AMOUNT BUDGETED FOR THE PROJECT BY THE CITY COUNCIL INCLUSIVE OF THE \$28,811, 25% CONTINGENCY SET ASIDE FOR THE RECONSTRUCTION; PROVIDING FOR THE REPEAL OF PRIOR INCONSISTENT RESOLUTIONS; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, section 2-4 of the City Code provides that with respect to construction contracts approved by the City Council, the City Council may authorize by resolution the City Manager to approve change orders to the primary construction contract related to the completion of the construction project authorized by the City Council in excess of the spending authority limits under this section provided the amount is within the unexpended construction budget approved by the City Council for the project including any contingency funds approved by the City Council for said contract; and

WHEREAS, in conjunction with this authorization, the City Council desires to streamline the approval of change orders to the extent necessary in order to expedite the construction of the project; and

WHEREAS, the City Council deems it to be in the best interest of the City of Cocoa to authorize the City Manager to approve the aforementioned change orders consistent with the terms of this Resolution and Section 2-4 of the City Code even if said amounts exceed the City Manager's general spending authority approved by the City Council.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF COCOA, as follows:

SECTION 1.

(A) Pursuant to Section 2-4 of the City Code, the City Manager is hereby authorized to approve any change orders to the primary construction contract, provided the total amount of approved change orders do not cause the construction budget to exceed the total \$144,055 budgeted by the City Council for this reconstruction project inclusive of the current contingency amount of \$28,811 set aside for the project. This grant of spending authority shall be interpreted and construed in accordance with the provisions of Section 2-4 of the City Code.

(B) Pursuant to Section 2-4 of the City Code, the City Manager shall also provide notice of any such approved change orders to the City Council in the form of an agenda item at the next scheduled City Council meeting or as soon as practicable thereafter.

SECTION 2. All prior resolutions or prior resolutions inconsistent with this resolution are hereby repealed to the extent of the conflict.

SECTION 3. This resolution shall become effective immediately upon its adoption by the City Council of the City of Cocoa, Florida.

ADOPTED by the City Council of the City of Cocoa, Florida, in a regular meeting assembled on May 27, 2025.

Michael C. Blake, Mayor

ATTEST:

Monica Arsenault, CMC, City Clerk



City of Cocoa Budget Adjustment Form FY 2025 - 058-T

SELECT ADJUSTMENT TYPE: Budget Transfer

REQUESTING DEPARTMENT #: 4020

DATE PREPARED: 4/25/25

'From' Accounts

ADJUSTMENT AMOUNT	ACCOUNT NUMBER	PROJECT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	AMENDED BUDGET	ADJUSTED BUDGET	UNENCUMBERED BALANCE
(\$ 144,055)	421-4010-536.39-00		CONTINGENCY			(\$ 144,055)	
						\$ 0	
						\$ 0	
						\$ 0	
						\$ 0	
						\$ 0	
(\$ 144,055)	TOTAL						

'To' Accounts

ADJUSTMENT AMOUNT	ACCOUNT NUMBER	PROJECT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	AMENDED BUDGET	ADJUSTED BUDGET	UNENCUMBERED BALANCE
\$ 144,055	421-4020-536.63-00	WS25CU	INFRASTRUCTURE			\$ 144,055	
						\$ 0	
						\$ 0	
						\$ 0	
						\$ 0	
						\$ 0	
\$ 144,055	TOTAL						

REASON/JUSTIFICATION FOR ADJUSTMENT:

During a recent check of culverts in the wellfield it was discovered that one of four large drainage culverts is heavily corroded and needs to be replaced. This was missed during our previous inspection due to a blockage that obscured our access to the culvert. The pipe is corrugated metal that will be replaced with a corrugated aluminum pipe. A second culvert was found to be damaged. It looks like something got under the culvert and bent the flowline up into the air. Failure of the drainage culverts would jeopardize the source of water from our well field to the Dyal Water Treatment Plant and is an unacceptable risk. We are asking to waive normal purchasing procedures due to the exigent timing circumstances required to complete the necessary improvements.

Agenda# 25-414

Per the Purchasing Manual, Section 2.5, the City Manager can authorize emergency purchases and staff received CM approval on April 24, 2025.

City Council Approval Needed?

Yes.



No.



DATE APPROVED:

RESOLUTION #:

2025-032

City Council approval is needed for all transfers greater than \$75,000 and transfers between Departments / Funds. All CRA adjustments are required to go their respective boards.

James Mitchell
Digitally signed by James Mitchell
Date: 2025.04.25 10:13:59 -04'00'

Zoie Badalov
Digitally signed by Zoie Badalov
Date: 2025.05.14 08:16:39 -04'00'

Requestor's Signature

Finance Approval Signature

Finance Director's Signature

John "Jack" Walsh
Digitally signed by John "Jack"
Walsh
Date: 2025.04.25 14:24:00 -04'00'

Lora Howell
Digitally signed by Lora Howell
Date: 2025.05.22 11:12:18 -04'00'

Department Director's Signature

Deputy Fin. Director's Signature

City Manager's Signature

FINANCE USE ONLY:

Date Entered:

Entered By:

Group #:

CITY COUNCIL AGENDA ITEM

Memo Date: May 13, 2025
Agenda Date: May 27, 2025
File ID: 2025-457
Prepared By: John Perrin, Senior Engineer
Through: John Walsh, Utilities Director
Requested Action: To Approve Task Order 2025-51 issued under Continuing Services Agreement RFQ-20-03-COC with Jacobs Engineering Group, Inc. in the amount of \$499,334 for Engineering Services for the Dyal Steel Ground Water Storage Tank Replacement Project.

BACKGROUND:

The Dyal Water Treatment Plant (WTP) includes two 5-million-gallon potable water ground storage tanks (GST). The steel GST is over 50 years old and is reaching the end of its useful life and will be replaced with a pre-stressed concrete tank of the same volume, which will match the material of the GST that is remaining in service.

Jacobs Engineering Group was awarded Continuing Services Agreement, RFQ-20-03-COC, for engineering services in accordance with the Consultants' Competitive Negotiation Act (CCNA). Task Order 2025-51 will be issued under this contract to perform the design work. The scope of work requested under the task order will allow Jacobs Engineering Group, Inc. to perform engineering services for the project, generally consisting of design, permitting, bidding and procurement services. The estimated cost for the design task order is \$499,334. The good faith estimate of the related construction is \$6,000,000.

Staff recommends approval of this agenda item in order to complete the steel GST replacement project and increase reliability in the system.

PRIORITY AREA CONNECTION:

Investment in Public Infrastructure

BUDGETARY IMPACT:

Budgeted? Yes

Source/Use of Funds

Account Number: 424-4055-536.63-00, WS18RD
Amount: \$499,334.00
Account Name: Infrastructure

PREVIOUS ACTION:

None.

RECOMMENDED MOTION:

To Approve Task Order 2025-51 issued under Continuing Services Agreement RFQ-20-03-COC with Jacobs Engineering Group, Inc. in the amount of \$499,334 for Engineering Services for the Dyal Steel Ground Water Storage Tank Replacement Project.

City of Cocoa

Task Order 2025-51

Dyal WTP 5 MG Ground Storage Tank – Design, Permitting and Bidding Services – Revision 1

Objective and Background

Under this Task Order, Jacobs Engineering Group Inc. (Jacobs) will provide engineering services for the design, permitting, and bidding for the addition of a 5.0 million gallon (MG) ground storage tank (GST). The project improvements include the new 5.0 MG GST, new tank access stairs, piping modifications including modifications to the existing control valve station (CVS), fencing addition around the new GST, demolition of the existing steel GST and other miscellaneous site improvements. Services proposed by Jacobs in this Task Order will be performed in accordance with the contract terms of the Agreement for Continuing Engineering Services for Water System awarded by the City of Cocoa on February 5, 2020 and second Amendment on July 23, 2024.

The City of Cocoa's onsite potable water system consists of two 5 MG GSTs. One is a steel tank and one is a prestressed concrete tank. The tank that is being replaced is made of steel construction. The new tank will be a prestressed concrete tank.

Scope of Work

Task 1 – Design

Task 1.1 – Preliminary Design (30%)

A preliminary design will be developed. The preliminary design will present design concepts for all professional disciplines required for the project. The design will address the items referenced in FAC 62-555.520(4) and will include preliminary design drawings to depict the modifications. A draft preliminary design will be issued to the City for review. One meeting will be held with the City to review the 30% design and discuss comments.

To support Jacobs design effort, Jacobs will engage the services of subconsultants for the needed topographic site surveying and the geotechnical engineering study. For reference, copies of the proposals received from subconsultants are included at the end of this proposal.

Task 1.2 – Design Development Phase (60%)

The purpose of this task is to utilize the decisions of the project that were made in the previous phase and to complete and finalize the preliminary calculations of the previous phase, develop the project design to achieve a true "design freeze" at the conclusion of this phase. Structures,

major plant piping, process, site plan are all finalized during this phase to allow final detailing of the same in the next phase of design.

Jacobs will conduct a design workshop to review the work products with the City's personnel and other key project staff. The review drawings provided to the City will be extractions from 3-D models with limited annotation. Final workshop minutes, documenting the key decisions and the work products produced through subtasks above will be submitted to the City for review and comment.

Task 1.3 – Final Design (90/100%)

Final design documents will be developed that include drawings and technical specifications. The design documents may include photographs with notations to describe the work. The design will include a new 5.0 MG GST, new tank access stairs, piping modifications including modifications to the existing control valve station (CVS), fencing additions around the new GST, demolition of the existing steel GST and other miscellaneous site improvements. The design and construction documents will also include the installation of access stairs on the existing GST to remain. Where the fencing additions impact the existing plant site perimeter security system, the design will also include modifications to the perimeter security system such that the perimeter security system properly functions with the modified site fencing.

Draft final design documents will be issued to the City for review. One meeting will be held with the City to review the 90% design and discuss comments. After resolution of comments from the City, Jacobs will finalize the design documents for bidding.

Based on the finalized design documents for bidding, a Class 2 cost estimate will be prepared in accordance with the American Association for Advancement of Cost Estimating (AAACE). The cost estimate will be delivered with the final design documents for bidding.

Task 1 Deliverables

- Kickoff meeting agenda and meeting minutes
- Review meeting agenda and meeting minutes
- 30% Design Documents – Electronic submission (.pdf format) of the preliminary design drawings.
- 60% Design Documents – Electronic submission (.pdf format) of the design drawings, draft technical specifications and design details.
- 90% Design Documents – Electronic submission (.pdf format) of the construction drawings, specifications, design details.
- Bid Documents (100% Design) – Electronic submission (.pdf format) of the construction drawings, specifications, and design details.
- A construction cost estimate will be prepared for the Final Design Documents (100% design).

Task 2 – Permitting

Jacobs will provide permitting assistance and regulatory coordination with the City of Cocoa. Permitting assistance and regulatory coordination will include the following tasks; however, Jacobs shall not be responsible for regulatory agency delays.

Task 2.1 - Environmental Resource Permit Modification

Jacobs will prepare and submit supporting documentation, permit application and drawings to the SJRWMD for a modification to the environmental resource permit. Services under this task are limited to only modification of the existing stormwater system. One response to a request for additional information provided by SJRWMD will be prepared.

Task 2.2 - Florida Department of Environmental Protection Construction Permit

Jacobs will prepare and submit an application for a Florida Department of Environmental Protection (FDEP) Permit to Construct PWS Components (Form 62-555.900(1)) for the project. The permit application will include supporting documentation and preliminary drawings as required by FDEP. The permit application will only be for a modification to the site equipment and no capacity rerating will be required. Jacobs will provide one response to a request for additional information.

Task 2.3 - Endangered Species and Tree Survey

The preliminary natural assessment performed during other projects identified potential impacts to federal and state endangered species. Depending on the species, coordination with SJRWMD, FDEP, ACOE and U.S./Florida Fish and Wildlife is required. Coordination is carried out in conjunction with other required permits listed above as well as separate permitting. Tree removal and replacement may be required to meet Orange County's tree ordinance. To complete this task, Jacobs will perform the following:

- Survey for endangered species in northern property within project limits
- Survey tree species in northern property within project limits
- Prepare permitting package, drawings, and exhibits, and respond to Request for Additional Information
- Prepare location map, soils map, aerial, and quad map by GIS

JACOBS will collect and review existing habitat and species data to be obtained from applicable sources and the County and perform a protected species assessment and tree evaluation of approximately 10 acres at the Dyal Water Treatment Plant (project area) in Orange County, Florida.

Subtask 2.3.1. Data Collection and Review

JACOBS will conduct a desktop literature search for the project area for information regarding wildlife and endangered and threatened species occurrence, aerial photos, existing permits, and

other readily available information sources. Pertinent data will be summarized in tabular format for inclusion in a Technical Memorandum. Preliminary review indicates the project area is within the U.S. Fish and Wildlife Service (USFWS) consultation area for the Florida scrub-jay and snail kite.

The following references will be consulted and reviewed as part of the habitat assessment:

- Audubon EagleWatch Program for the presence of eagle nests
- USFWS Core Wood Stork Foraging Habitat Data
- USFWS Online Critical Habitat Map for Threatened and Endangered Species
- Florida Land Use, Cover and Forms Classification System Land Use Data
- U.S.D.A. Natural Resource Conservation Service Soils Data
- Florida's Endangered Species and Threatened Species, 2022 Official List published by the Florida Fish and Wildlife Conservation Commission
- USFWS Information for Planning and Consultation (IPaC) report
- Review of aerial photographs, and current and historical permits provided by the County

Subtask 2.3.2 Habitat and Protected Species Assessment

A habitat and protected species assessment will describe the habitats, as well as determine the potential presence of state or federally protected species or their habitat based on a field review of the project area. A two-day field evaluation will be conducted of the proposed project area to assess wildlife presence and habitats, which will include a cursory survey for gopher tortoises, if present.

Subtask 2.3.2 Deliverable

- GIS geodatabase with state and federally protected species, if present, and their habitats.

Subtask 2.3.3 Technical Memorandum Summary

Data collected in Subtasks 2.3.1 and 2.3.2 will be summarized in a Technical Memorandum (TM). Proposed project impacts to protected species and their habitat present within the project area will be determined. Any anticipated consultation with regulatory agencies will be presented and a strategy developed in the TM. Even though the project area is within the Florida scrub-jay and snail kite consultation areas, there is no apparent suitable habitat for either species and therefore species-specific surveys are not included in the proposed surveys. Formal agency consultation or species-specific surveys will require additional authorization.

Subtask 2.3.3 Deliverable:

- Draft and Final Protected Species TM in pdf format

Subtask 2.3.4 Tree Survey Evaluation and Tree Removal Ordinance Compliance

A tree evaluation will be completed after trees are surveyed and measured by a professional surveyor (PS). The tree evaluation consists of reviewing the PS tree survey data and performing a

site visit to confirm the tree species and diameter at breast height (DBH) collected by the PS, to be completed during the habitat and species assessment (Subtask 2.3.2). Tree health data will also be collected. In accordance with Orange County, Florida, Tree Protection and Removal Ordinance 2023-25, removal calculations will be provided in tabular format identifying the common name, diameter at breast height, trees excluded and exempt, replacement ratio for regulated and protected trees (including specimen and heritage trees), and total replacement DBH.

Subtask 2.3.4 Deliverable

- Table summarizing tree evaluation, replacement ratio, and total replacement DBH, and corresponding aerial with tree locations.

Assumptions for Subtask 2.3

- The field review and site visit will be completed in two days by two scientists.
- A project health, safety, and environment plan will be completed under Task 2.3.2.
- City will provide access to project site.
- Agency field reviews are not included in this scope of work.
- Any tree removal permits that may be required will be obtained during construction and are not included in this scope of work.
- Detailed gopher tortoise surveys and relocation are not included in this scope of work.
- Wetland and other surface water delineation is not included in this scope of work.
- Threatened and endangered species agency consultations, agency coordination, and species-specific surveys are not included in this scope of work.

The Contractor shall be responsible for permitting with the Orange County Building Department including development and submission of the permit application(s), coordination with the permitting agency, completion of permit requirements, and permit approval. Any work associated with the Orange County Building Department will be addressed in a future task order.

Other Task 2 Deliverables

- Permit application package for FDEP Permit to Construct PWS Components including Form 62-555.900(1), drawings, and supporting documentation per FDEP requirements.
- Permitting sets will be provided to the permitting agencies per the requirements of each agency.

Assumptions

1. No wetlands will be impacted.
2. The Endangered Species and Tree Survey task is only a survey. Any relocation or permitting will be budgeted under a separate task order.
3. No ACOE permitting is required.

4. No Orange County right-of-way permitting is included in this scope of work as it is expected that the selected Contractor will perform all required right-of-way permitting with Orange County.
5. Jacobs will pay for permit applications that are related to the permit applications and submissions that are performed directly by Jacobs.
6. Three responses to each permitting agency have been budgeted.
7. Orange County Building Department permitting assistance services will be provided in the subsequent Services during Construction task order.

Task 3 – Bidding Services

Jacobs will provide services to assist the City in selection of a single contractor for the construction of the project. Jacobs will assist the City in conducting one pre-bid conference. Jacobs will assist the City in developing the agenda and content of the pre-bid conference. Jacobs will attend the pre-bid conference meeting. The City will prepare and administer the Invitation to Bidders.

Jacobs will coordinate with the City for issuing responses to requests for additional information. Jacobs will provide technical interpretation of the contract bid documents and will prepare proposed responses to bidders' questions and requests. The City will issue addenda to prospective bidders.

The City will make the final decision on the award of the contract for construction and the acceptance or rejection of bids. Jacobs' services do not include bid protest situations. The City will prepare the notice of award; assembly, delivery and execution of the contract for construction and the notice to proceed.

Jacobs will modify the technical specifications and drawings as required to address bidder's questions and requests and then issue Conformed Documents to the City.

Task 3 Deliverables

- Responses to questions from proposers during the bidding process.

Conformed Documents – Electronic submission (.pdf format) of the construction drawings, specifications, and design details.

Assumptions

The following key assumptions apply:

1. The City will assign a project manager who will be Jacobs's main point of contact and will respond within ten business days of the date of each submittal. The City's project manager will also provide continuous coordination between the different City's departments (Operations, Management, Engineering, etc.).

2. The design will be based on the federal, state, and local codes and standards in effect on the effective date of the authorization to proceed.
3. Existing finished water storage and pumping capacity is adequate and does not require modifications.
4. Existing communications systems required for process control is adequate for additional communication signals added under this project.
5. Invitation to Bid documents, or the Division 0 specifications, will be developed by the City. The final drawings, technical specifications and Division 1 specifications will be developed by Jacobs.
6. The cost estimate will be prepared in accordance with the American Association for Advancement of Cost Estimating (AAACE) Class 2 cost estimate. All estimates of probable construction cost used for planning the project will be developed using the appropriate estimate class for completion of the design and consistent with Industry Standards, Association for the Advancement of Cost Engineering adjusted for local site conditions. The final construction cost can only be determined after competitive bidding of the project by City. In providing opinions of cost, financial analyses, economic feasibility projections, and schedules for the project, Engineer has no control over cost or price of labor and materials; unknown or latent conditions of existing equipment or structures that may affect operation or maintenance costs; competitive bidding procedures and market conditions; time or quality of performance by operating personnel or third parties; and other economic and operational factors that may materially affect the ultimate project cost or schedule. Therefore, Engineer makes no warranty that City's actual project costs, financial aspects, economic feasibility, or schedules will not vary from Engineer's opinions, analyses, projections, or estimates.
7. Design documents will be prepared for a single construction contract.
8. No boundary survey will be performed since a survey was performed in 2019.
9. Jacobs master technical specifications (Division 1 - 49) will be used as the basis for all specifications. The City will provide procurement and contracting requirements in Microsoft Word format for Jacobs to edit for project specific requirements.
10. The drawings will follow Jacobs CAE/CAD standards. Microstation or AutoCAD software will be used to develop the drawings.
11. All deliverables will be provided in electronic format as .pdf files.
12. Services during construction shall be provided under a separate task order.
13. The project schedule includes timeframes for Jacobs' design deliverables but does not include a schedule for permitting approval and permitting services. The timeframe for permitting services and permitting approval may exceed the project schedule defined in Table 1.
14. Jacobs will reasonably rely upon the accuracy and completeness of the information and data provided by the City or other third parties without independent verification.
15. The City will inform Jacobs's staff of any safety rules, personal protective equipment, safety precautions, restricted areas, hazardous chemicals, and emergency procedures (e.g., alarms, assembly areas, etc.) prior to site visits.

Schedule

Services provided under this Task Order are estimated to be completed within 45 weeks following Notice to Proceed as shown in Table 1.

Table 1: Project Schedule

Task/Activity	Schedule
Project Kick-off Meeting	Within 3 weeks following Notice to Proceed
Complete Topographic Survey	Within 5 weeks following Notice to Proceed
Preliminary Design (30% Design Submittal); 1 meeting	8 weeks following receipt of topographic survey
Design Development Phase	12 weeks following Preliminary Design meeting
Construction Document Submittal (90% Design Submittal); 1 meeting	16 weeks following Design Development meeting
Final Bid Documents Submittal (100% Design Submittal); no meeting	4 weeks following Contract Document comment adjudication

Compensation

Compensation for the services authorized under this task order will be provided using the time and materials basis method with budgets between the tasks and expenses being interchangeable as needed. Costs are summarized below by task.

Task	Hours	Fee
Task 1 – Design	1,999	\$367,254
Task 2 – Permitting	358	\$55,644
Task 3 – Bidding Services	94	\$18,037
Expenses & Subcontracts	N/A	
Permitting Application Fees Allowance	---	\$15,000
Surveying Subcontract	---	\$21,193
Geotechnical Boring Subcontract	---	\$18,706
Other Expenses (travel, reprographics, etc.)	---	\$3,500
Totals:	2,451	\$499,334

Levels of effort for tasks are estimates based on the best information available at the time of task order development. As projects scopes are better defined, actual levels of effort required and associated fees might differ and require coordination between Jacobs and the City.

Acceptance

This Task Order shall become part of the Agreement upon execution by both parties.

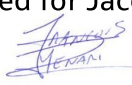
Approved for City of Cocoa

By: _____

Title: _____

Date: _____

Accepted for Jacobs Engineering Group Inc.

By:  _____

Francois Didier Menard

Title: Vice President

Date: May 7, 2025

City of Cocoa
Design, Permitting and Bidding Services
Revision 1

Attachment A - Fee Estimate

	Project Manager	Design Manager	Process Mechanical Engineer	Process Mechanical Technician	Electrical Engineer	Electrical Technician	Structural Engineer	Structural Technician	Civil Engineer	Civil Technician	I&C Engineer	I&C Technician	Geotechnical Engineer	Lead Technician	Cost Estimating	Specs Processor	QC Reviewers	Senior Scientist	Scientist	Hydrogeologist	Designer	Office						
	Engineer 8	Engineer 5	Engineer 5	Technician 5	Engineer 5	Technician 3	Engineer 3	Engineer 7	Engineer 5	Engineer 1	Engineer 5	Technician 3	Engineer 6	Engineer 5	Engineer 4	Technician 4	Engineer 8	Engineer 5	Engineer 3	Engineer 1	Engineer 2	Office						
	\$235.00	\$199.00	\$199.00	\$169.00	\$199.00	\$120.00	\$142.00	\$235.00	\$199.00	\$110.00	\$199.00	\$120.00	\$218.00	\$199.00	\$169.00	\$142.00	\$235.00	\$199.00	\$142.00	\$110.00	\$120.00	\$85.00		Labor Hours	Labor Fee	Expenses	Subcontracts	
Task 1 - Design Services	176	130	188	119	144	169	96	43	43	128	79	91	77	87	53	62	280	0	0	0	0	34						
Surveying Subcontract																										\$21,193		
Geotechnical Investigation																										\$18,706		
																								Task Totals:	1,999	\$367,254	\$2,000	\$39,899
Task Fee:																												
Task 2 - Permitting Services	38	9	14	0	0	5	9	5	9	0	0	0	0	14	5	0	0	27	117	66	29	11						
																								Task Totals:	358	\$55,644	\$1,000	\$0
Task Fee:																												
Task 3 - Bidding Services	27	27	11	0	5	0	0	0	5	0	0	3	0	0	5	0	0	0	0	0	0	11						
																								Task Totals:	94	\$18,037	\$500	\$0
Task Fee:																												
Summary	241	166	213	119	149	174	105	48	57	128	79	94	77	101	63	62	280	27	117	66	29	56						
																								Total Labor Hours:	2,451			
																								Total Labor Fee:	\$440,935			
																								Total Expenses:	\$3,500			
																								Permit Application Fees Allowance:	\$15,000			
																								Total Subcontracts:	\$39,899			
																								Total Fee:	\$499,334			

Subconsultant Proposals



January 20, 2025

VIA EMAIL: ed.davis@jacobs.com

Mr. Ed Davis | Senior Project Engineer
Jacobs Engineering Group, Inc.
200 S. Orange Ave., Suite 900
Orlando, Florida 32801
Cell. 407-496-0657

RE: Dyal Water Treatment Plant – Topographic & Tree Survey
28400 FL-520, Christmas, Florida 32709 | Parcel ID: 20-24-34-0000-00-001
Section 20, Township 24 South, Range 34 East, Orange County, Florida
SSMC Job Site Number: J058076

Dear Mr. Davis,

PROJECT STATEMENT: We are pleased to submit our **third revised** proposal for Surveying Services on the above-referenced project. It is our understanding that Jacobs Engineering Group, Inc. requires a Topographic Survey and Tree Survey to support the design of the Dyal Water Treatment Plant Project. The specific area is identified in the attached exhibits. We appreciate the opportunity to provide these services to you. Please contact us if you have any questions.

SCOPE OF WORK

Provide surveying services as mandated by the local governments, as well as regulations and laws of the Project's State Standards of Practice for Professional Land Surveying Services. The survey will include the following:

1. Locate all improvements and utilities, as evidenced by above-ground features **or** if designated and marked by the Utility Owners, their designated representative, or a contracted service at the original time of field visit.
2. Obtain spot elevations on natural ground and existing improvements suitable for interpolating one-foot contours to be shown on the final drawing.
3. Establish a minimum of **two (2)** site benchmarks.
4. Topographic coverage will be limited to the area marked in **red** on the attached exhibit.
5. Locate trees 8-inch diameter and larger measured at breast height (DBH).

NOTE: Underground Utilities are not included but can be provided as an additional service.

DELIVERABLE

The final product will be an electronically signed and sealed survey and an AutoCAD Civil 3D file.

DELIVERY

All documents will be sent to the client or the client's representative(s) via **USPS**. If overnight shipping is requested or required by the client or the client's representative(s), then said charges would appear as a separate item on our invoice unless we are provided with the client's overnight carrier account number for shipping.

ADDITIONAL SERVICES

Any service not explicitly provided for on the above scope will be billed as additional services and will be performed at our then current hourly rates as provided for in **Exhibit A**.

INFORMATION PROVIDED BY CLIENT

SSMC shall be entitled to rely on the completeness and accuracy of all information provided by the Client or the Client's consultants or representatives.

PROJECT TIMELINE

We anticipate the completion of the above-described work within **six (6) weeks** after receipt of a written notice to proceed.

EXPENSES AND FEES

Our fee for the above-referenced work will be as follows:

Topographic and Tree Survey:	\$ 21,192.50
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PAYMENT TERMS

Payment is expected within thirty (30) days from the date of the invoice.

LATE FEES

Late fees of \$50.00 will be assessed for all payments past the 30-day mark. Additional late fees will continue to accrue every 30 days past the invoice date. Please reference the invoice number and remit all payments to 6500 All American Blvd. Orlando, FL 32810.

PAYMENT OPTIONS

SSMC is committed to ensuring our clients have access to various payment options. These options include cash, paper checks, ACH transfers, wire transfers, and credit cards. Credit card payments are subject to a vendor administrative fee of 3.5% of the invoice total.

CLOSURE

In addition to the abovementioned matters, our Agreement shall include and be subject to, and only to, the attached General Terms and Conditions, which are incorporated by reference. **UPON SIGNATURE, NO OTHER CONTRACTS WILL BE CONSIDERED FOR THIS SCOPE OF WORK.**

We look forward to the opportunity to work with you on this project.

Sincerely,



Tim Jaskiewicz, PSM
Survey Division Project Manager
TJ.kap

If the above scope, period of service, and method of compensation meets with your approval, please have an authorized Signatory execute the Agreement below and send via email to contracts@southeasternsurveying.com. **Fees and times stated in this agreement are valid for six months from the date of the proposal, which would be July 20, 2025.**

CLIENT AUTHORIZATION

I declare that I am authorized to sign the binding contractual document. I also declare that I have read, understand, and accept this proposal.

Signature

Date

Printed Name

Title (if any)

EXHIBIT “A”

HOURLY RATES

Surveying and Mapping Services

Category	Day Rate	Night / Weekend Rate
Professional Surveyor & Mapper/PSM	\$ 199.00 / per hour	
Project Surveyor	\$ 177.00 / per hour	
Expert Witness	\$ 360.00 / per hour	
Senior Technician	\$ 133.00 / per hour	
CAD Technician	\$ 118.00 / per hour	
Clerical	\$ 79.00 / per hour	\$ 118.00
One Person Field Crew	\$ 133.00 / per hour	
Two Person Field Crew	\$ 178.00 / per hour	\$ 267.00
Three Person Field Crew	\$ 233.00 / per hour	\$ 350.00
Four Person Field Crew	\$ 289.00 / per hour	\$ 433.00
Sketch of Descriptions (per SD)	\$ 676.00	
Residential Elevation Certificate	\$ 925.00	
Commercial Elevation Certificate (per bldg.)	\$ 1,306.00	
Initial and Second Plat Review (up to two sheets)	\$ 1,150.00 / per plat	
Initial and Second Plat Review (over two sheets)	\$ 200.00 / per sheet	
Plat (Third or additional reviews of same plat)	\$ 450.00 / each	

LiDAR/UAV

Category	Day Rate	Night / Weekend Rate
LiDAR Technician	\$ 133.00 / per hour	
LiDAR Project Manager	\$ 177.00 / per hour	
LiDAR One Person Field Crew	\$ 155.00 / per hour	
LiDAR Two Person Field Crew	\$ 204.00 / per hour	
Clerical	\$ 79.00 / per hour	\$ 118.00 / per hour
UAS/UAV Photogrammetry Crew	\$ 268.00 / per hour	
Mobile Scan Crew	\$ 268.00 / per hour	

Construction Services

Category	Day Rate	Night / Weekend Rate
Construction Professional Surveyor & Mapper	\$ 203.00 / per hour	
Construction Project Manager	\$ 203.00 / per hour	
Construction Senior Technician	\$ 153.00 / per hour	
Construction CAD Technician	\$ 136.00 / per hour	
Clerical	\$ 79.00 / per hour	\$ 118.00 / per hour
Construction One Person Field Crew	\$ 153.00 / per hour	
Construction Two Person Field Crew	\$ 204.00 / per hour	\$ 306.00 / per hour
Construction Three Person Field Crew	\$ 268.00 / per hour	\$ 402.00 / per hour
Construction Four Person Field Crew	\$ 332.00 / per hour	\$ 498.00 / per hour

GIS Services

Category	Day Rate	Night / Weekend Rate
Professional Engineer	\$ 213.00 / per hour	
GIS Project Manager	\$ 177.00 / per hour	
GIS Analyst	\$ 119.00 / per hour	
GIS Technician	\$ 79.00 / per hour	
Clerical	\$ 79.00 / per hour	\$ 118.00 / per hour
Two Person GIS Crew	\$ 178.00 / per hour	
One Person GIS Crew	\$ 133.00 / per hour	

Subsurface Utility Engineering (SUE) Services

Category	Day Rate	Night / Weekend Rate
Project Manager	\$ 177.00 / per hour	\$ 265.00 / per hour
Senior Technician	\$ 133.00 / per hour	\$ 200.00 / per hour
Clerical	\$ 79.00 / per hour	\$ 118.00 / per hour
One Person Crew	\$ 178.00 / per hour	\$ 267.00 / per hour
Two Person Crew	\$ 216.00 / per hour	\$ 324.00 / per hour
Three Person Crew	\$ 301.00 / per hour	\$ 451.00 / per hour
Vacuum Excavation (Per Test Hole)		
1-3 Test Holes/Dirt	\$ 2,664.00	\$ 3,864.00
1-3 Test Holes/Asphalt/Concrete	\$ 2,664.00	\$ 3,864.00
4 or more Test Holes/Dirt (Per Location)	\$ 616.00 / each	\$ 924.00 / each
4 or more Test Holes/Asphalt/Concrete (Per)	\$ 765.00 / each	\$ 1,148.00 / each
One Person Concrete Radar Mapping/Imaging	\$ 217.00 / per hour	\$ 336.00 / per hour
Temporary Traffic Control (TTC)		
Per Lane Closure	\$ 1,013.00 / each	\$ 1,231.00 / each
Per Sidewalk Closure	\$ 500.00 / each	\$ 600.00 / each
Flagman Control (Hourly – Per Flagger)	\$ 100.00	\$ 150.00
Mast Arms (Per Location)		
Subsurface Utility Locating (QL-B & QL-A)	\$ 1,656.00	
Concrete/Asphalt Removal & Repair	\$ 436.00	
Survey Staking of Pole Location	\$ 431.00	

Miscellaneous Services

Per Diem/Lodging Expenses		
Category	Day Rate	Night / Weekend Rate
Per Day Two Person Crew	\$ 395.00	
Per Day Three Person Crew	\$ 595.00	

GENERAL TERMS AND CONDITIONS

These standard terms and conditions ("STCS") are incorporated by reference into the Proposal Letter, along with any future modifications or amendments (the "Agreement") between Southeastern Surveying and Mapping Corporation ("SSMC") and its Client ("You" or "Your") for the performance of surveying services ("Services"). These STCS are fully binding upon You as if they were fully outlined in the Proposal Letter and shall supersede any term or provision elsewhere in the Agreement in conflict with these STCS.

SCOPE OF SERVICES

For the fee outlined in the Agreement, You agree that SSMC shall only be obligated to render the Services expressly described in the Agreement. Unless the Agreement explicitly requires, in no event does SSMC have any obligation or responsibility for:

- The correctness and completeness of any document prepared by another entity.
- The correctness and completeness of any drawing prepared by SSMC, unless it was duly signed and sealed by a registered professional on SSMC's behalf.
- Favorable or timely comment or action by any governmental entity on the submission of any construction documents, land use or feasibility studies, appeals, petitions for exceptions or waivers, or other requests or documents of any nature whatsoever.
- Taking into account off-site circumstances other than those clearly visible and actually known to SSMC from on-site work.
- The actual location (or characteristics) of any portion of a utility that is not entirely visible from the surface.
- Site safety or construction quality, means, methods, or sequences.
- The correctness of any geotechnical services performed by others, whether or not performed as SSMC's subcontractor.

Should shop drawing review be incorporated into the Services, SSMC shall pass on the shop drawings with reasonable promptness. Checking and approval of shop drawings will be general, for conformance with the design concept of the Project to which this Agreement relates ("Project") and compliance with the information given in the construction documents, and will not include quantities, detailed dimensions, nor adjustments of dimensions to actual field conditions. Approval shall not be construed as permitting any departure from contract requirements, nor as relieving the Contractor of the sole and final responsibility for any error in details, dimensions, or otherwise, that may exist. **SSMC does not provide legal, accounting, or insurance services.**

YOUR DECISIONS

You, or any of Your directors, officers, partners, members, managers, employees, or agents having apparent authority over You, may (a) make decisions relating to Services or the Agreement; (b) request a change in the scope of Services under the Agreement; or (c) request SSMC to render additional services under the Agreement by sending an email to the SSMC Project Manager or the Contracts Department at contracts@ssmc.us. Any oral decisions must be followed up in writing within seven (7) days, or SSMC will consider the oral request binding.

STANDARD OF CARE

The standard of care for all professional services performed by SSMC under this Agreement shall be the skill and care used by members of SSMC's profession practicing under similar circumstances at the same time and in the same locality.

TERM OF CONTRACT

The term of this Agreement shall begin and end based on the Project Timeline provided above unless both Parties agree in writing to extend the Project.

PAYMENT

SSMC may submit invoices to You anytime for Services and reimbursable expenses incurred. Invoices are payable within 30 days of the invoice date. Invoices may be based either upon our estimate of the proportion of the total services completed at the time of billing for lump sum or fixed fee Services or, in the case of hourly Services, upon rendering of the Services. If any invoice is not paid within 30 days of the invoice date, SSMC shall have the right either to suspend the performance of our Services until all invoices more than 30 days past due are fully paid or to terminate the Agreement and to initiate proceedings to recover amounts owed by You. Additionally, SSMC shall have the right to withhold from You the possession or use of any drawings or documents prepared by SSMC for You under this or any other agreement with You until all delinquent invoices are paid in full. You shall not offset payments of our invoices by any amounts due or claimed to be due for any reason.

If You do not give SSMC written notice disputing an invoice within 20 days of the invoice date, the invoice shall conclusively be deemed correct. All payments You make should specify the invoice numbers being paid. If SSMC receives payments that do not specify the invoices being paid, You agree that SSMC may apply payments in our sole discretion. Time is of the essence of Your payment obligations, and Your failure to make full and timely payment shall be deemed a material breach.

PROPRIETARY RIGHTS

The drawings, specifications, and other documents prepared by SSMC under this Agreement are instruments of SSMC's service for use solely for the Project and, unless otherwise provided, SSMC shall be deemed the author of these documents and shall retain all common law, statutory, and other reserved rights, including the copyright and rights to any SSMC trademarks. You shall be permitted to retain copies, including reproducible copies of SSMC's instruments of service, for information and reference for the Project. SSMC's drawings, specifications, or other documents shall not be used by You or others on other projects for any reason or completion of this Project by other professionals unless You enter into a written agreement with SSMC allowing for such use. Submission or distribution of documents to meet official regulatory requirements or for similar purposes in connection with the Project is not to be construed as publication inconsistent with our reserved rights.

TERMINATION

Either Party may terminate the Agreement if the other Party materially breaches the Agreement. You shall immediately pay SSMC for our Services rendered and expenses incurred through the termination date, including fees and expenses that SSMC incurred as a result of the termination.

ASSIGNMENT

Neither Party shall assign or transfer any rights, interests, or claims arising under this Agreement without the written consent of the other. This Agreement shall not confer any benefit or right upon any person or entity other than You, SSMC, and its officers, employees, agents, and subcontractors. SSMC's officers, employees, agents, and subcontractors shall have and shall be entitled to the protections afforded SSMC under this Agreement.

GOVERNING LAW, DISPUTES AND ATTORNEY'S FEES

This Agreement shall be interpreted under and governed by the laws of the State of Florida. The parties irrevocably waive all rights to trial by jury in any action, proceeding, or counterclaim arising from or related to this Agreement. The Parties agree that any dispute arising from or related to the Services will be subject to mediation. Mediation will occur in Orlando, Florida. If mediation is unsuccessful, then binding arbitration is to be administered in accordance with the American Arbitration Association in Orlando, Florida. The losing Party shall pay the winning Party's reasonable attorney's fees and expenses for the mediation and/or arbitration of any cause of action, claim, or demand arising under this Agreement.

SEVERABILITY

If any part, term, or provision of this Agreement is held to be illegal or unenforceable, the validity and enforceability of the remaining parts, terms, and provisions of this Agreement shall not be affected, and each Party's rights shall be construed, and enforced as if the Agreement did not contain the illegal or unenforceable part, term, or provision.

LIMITATIONS ON LIABILITY

SSMC's liability for any loss, property damage, or bodily injury of or to You caused in whole or in part by SSMC in the performance of this Agreement, or any supplementary services in any way related to this Agreement, shall be limited in the aggregate to the amount of fees that You have paid to SSMC for the Services. The Parties intend that the preceding limitation on liability shall apply to all claims, whether in tort, contract, warranty or otherwise. You release, waive, and shall not seek contribution from, or indemnification by, SSMC for any claims of any nature made against You by any other person who may suffer any loss, property damage, or bodily injury in any manner associated with SSMC's services, or SSMC's officers, employees, agents and subcontractors under this Agreement, or any supplementary services in any way related to this Agreement. SSMC shall not be liable to You, in any event or for any amount, for delays, consequential, special, incidental, punitive, or exemplary damages.

INDEMNIFICATION

You agree to indemnify and hold SSMC harmless from and against any and all liability, loss, damages, claims, and demands for loss, damages, property damages, or bodily injury arising out of work undertaken on the Project by You, or Your Contractor, subcontractor or other independent company or consultant employed by You to work on the Project, or their respective partners, members, managers, directors, officers, employees, agents or assigns; or arising out of any other operation, no matter by who performed, for and on behalf of You, or such Contractor, subcontractor or other independent company or consultant, whether or not due in part to errors or omissions by us in the performance of this Agreement, or in the performance of any supplementary service in any way related to this Agreement, provided that You are not required to indemnify and hold SSMC harmless under this Paragraph in the event of SSMC's sole negligence.

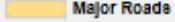
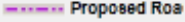
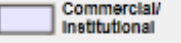
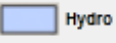
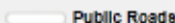
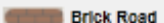
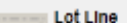
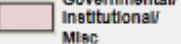
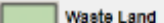
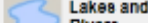
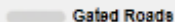
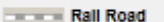
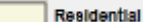
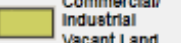
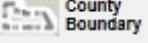
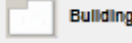
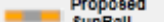
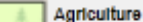
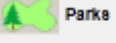
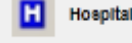
INSURANCE

SSMC represents that it carries and will continue to carry General Liability in the amount of \$1M per occurrence and \$2M per general aggregate, Worker's Compensation in the amount of \$1M, Automobile Liability in the amount of \$1M, Professional Liability also known as Errors and Omissions in the amount of \$2M per occurrence and general aggregate, and Umbrella Coverage in the amount of \$1M. General Liability, Automobile Liability, and Worker's Compensation are primary and non-contributory with Umbrella following form. Certificates of Insurance shall be provided upon request, listing Your Company as the certificate holder for one (1) year. SSMC and Client shall waive subrogation against one another.

COMPLETE AGREEMENT

This Agreement serves as SSMC's official offer of work. Upon signature, this Agreement and all accompanying exhibits or attachments constitute the entire Agreement between the Parties and will supersede any prior Agreements (whether oral or written) for the associated Services. No prior representations, statements, or inducements made by either SSMC, You, or the respective agents of either that is not contained in the Agreement shall enlarge, modify, alter, or otherwise vary the written terms of the Agreement unless they are made in writing and made a part of the Agreement by attachment, incorporated by reference in the Agreement or signed or initialed on behalf of both Parties. Once the signed Agreement is received, SSMC will NOT accept any additional contractual documents unless it is an amendment to this Agreement. All amendments will be incorporated by reference in the Agreement and signed or initialed on behalf of both Parties.

OCPA Web Map

 Florida turnpike	 Major Roads	 Proposed Road	 Block Line	 Commercial/Institutional	 Hydro	 Golf Course
 Interstate 4	 Public Roads	 Brick Road	 Lot Line	 Governmental/Institutional/Misc	 Waste Land	 Lakes and Rivers
 Toll Road	 Gated Roads	 Rail Road	 Residential	 Commercial/Industrial/Vacant Land	 County Boundary	 Building
	 Road Under Construction	 Proposed SunRail	 Agriculture	 Agricultural Curtilage	 Parks	 Hospital



Created: 10/4/2024 12:1 Prelim 2024, undefined

This map is for reference only and is not a survey



Ardaman & Associates, Inc.

Geotechnical, Environmental and
Materials Consultants

February 3, 2025
Proposal File No. 2523-014

Jacobs
200 S. Orange Avenue, #900
Orlando, FL 32801

Attention: Mr. Eduardo Gutierrez-Pacheco, PE

Subject: Proposal for Subsurface Exploration
Proposed 5-Million-Gallon Ground Storage Tank
Claude H. Dyal WTP
Orange County, Florida

Dear Mr. Gutierrez-Pacheco:

As requested, we are pleased to present this proposal for conducting a subsurface exploration for the subject project. Based on information provided by Jacobs, the proposed construction consists of a 5-million-gallon ground storage tank at the Claude H. Dyal Water Treatment Plant (WTP). The proposed water storage tank will reportedly be a pre-stressed concrete tank. Based on prior experience with similar projects, we estimate that the tank will be approximately 150 to 160 feet in diameter.

The scope of our work will include collecting soil stratigraphy and groundwater level data on the project site that will be utilized by the Client in their analyses. In addition, provide the results of laboratory testing services. The following summarizes our proposed scope of work and associated fees for conducting the subject exploration.

FIELD EXPLORATION

Since portions of the proposed storage tank area are heavily wooded, minor brush mowing will be performed to provide access to the boring locations. We could direct a site work contractor to mow minimal paths to our boring locations. Assistance from the client will be needed to help identify wetland areas and areas of threatened and/or endangered species habitat which should be avoided when performing these minor brush mowing operations. Also, this proposal assumes that permission from local Code Enforcement, SJRWMD or other pertinent agencies for the minor mowing, if necessary, has been obtained by the client. One half day of brush mowing is included in this proposal.

The requested field exploration program will include the following:

Description	Number of Borings	Depth Below Ground Surface (feet)
Ground Storage Tank Area	1 SPT (center)	100
	3 SPT (perimeter)	60

Prior to our mobilization to the site to begin drilling, the boring locations will be determined using a handheld GPS unit and wooden stakes will be placed in the ground at each location. Sunshine One-Call will be contacted to initiate a utility locate. Additionally, we will contact the owner representative provided by the Client to discuss potential underground utility locations in the exploration area. Once the utility coordination is completed, the soil borings will be initiated.

The SPT borings will be drilled using a procedure similar to the Standard Penetration Test outlined in ASTM D-1586. The borings will be sampled at 18-inch intervals to 10 feet deep and at 5-foot intervals below 10 feet. Each sample will be removed from the sampler in the field and then examined and visually classified by our geotechnical engineer will be present on-site during performance of the borings.

Representative portions will be sealed and packaged for transportation to our laboratory for further analysis as required. Samples collected at the site will be labeled in the manner requested by the Client and retained in our laboratory for a minimum of six months. If clay soils are encountered during drilling, pocket penetrometer readings will be obtained on the clay soil samples collected from the borings as requested.

Water level observations will be made in the boreholes during the drilling operation as well as on the day following drilling. Upon completion of drilling, the boreholes will be backfilled with neat cement grout. Drilling cuttings generated during performance of the borings will be spread on the ground surface in the vicinity of the boring locations. The wooden stakes will be left in place at the soil boring locations.

If soft clay soils are encountered in borings, Ardaman & Associates will immediately prepare a proposal to collect undisturbed Shelby tube samples of the clay at the depths and locations requested by the client.

LABORATORY PROGRAM

Routine laboratory visual classification of the soil samples collected from the borings will be performed by a geotechnical engineer along with specific classification tests deemed necessary. As requested by the Client, the initial laboratory testing program for the samples collected from the borings will include the following tests:

- Five Atterberg limits tests;
- Five sieve analyses with wash 200 tests;
- 24 moisture content tests;

The above laboratory testing program may be adjusted once the soil samples from the borings have been classified in our laboratory and preliminary soil boring profiles have been discussed with the Client.

In addition, corrosion series testing (resistivity, pH, sulfate content, and chloride content) will be performed on a composite soil sample collected from the top 10 feet of borings. A moisture content test will also be performed on this composite soil sample.

ENGINEERING REPORT

Soil stratigraphy and groundwater level data collected at the project site will be presented in a written data report upon completion of the study. A draft report will initially be submitted to the client for review as requested.

As requested, the data report will also include the following:

- Site location and boring location plans.
- Soil boring profiles in CAD format.
- A tabulated summary of the laboratory test results.
- Photographs of the site activities.
- An estimate of the normal seasonal high groundwater level at the boring locations.

After review of the draft report, we will address any Client comments and then finalize the report.

COST ESTIMATE AND SCHEDULE

The costs associated with the aforementioned tasks will not exceed **\$18,706.00** without prior authorization. This project cost is in accordance with the quantities and unit rates presented in the attached Cost Estimate.

Based on our current workload, we anticipate that the soil borings can be completed within 3 to 4 weeks of receiving authorization to proceed. Draft soil boring profiles should be ready for Client review within 1 week of completion of the soil borings. The laboratory classification testing and draft report should be complete within roughly 4 weeks after completion of the soil borings. Please let us know if a different project schedule is desired and we will do our best to accommodate the schedule.

CLOSURE

This proposal is subject to the following conditions: (1) access to the boring locations is to be readily available to our truck-mounted drilling equipment, (2) the brush mowing can be completed in ½ day, (3) the proposed number of borings and the boring depths will be adequate, (3) undisturbed samples and consolidation tests on fine grained soils are not budgeted into the total cost, (4) Ardaman & Associates will not take responsibility for damages to underground structures and/or services that are not located by Sunshine One-Call and/or Dyal WTP personnel; their locations are to be provided by the client or owner prior to commencement of the field work, (5) drilling and grouting boreholes in artesian groundwater conditions is not included in this scope of

work, and (6) exploration or evaluation of the environmental (ecological or hazardous/toxic material related) condition of the site and subsurface is not included.

We appreciate the opportunity to submit this proposal and look forward to working with you on this project. If this proposal meets with your approval, please indicate your acceptance by issuing a written work order. Please call if you have any questions or require additional information.

Very truly yours,

ARDAMAN & ASSOCIATES, INC.



Jason P. Manning, P.E.
Branch Manager

Attachment: Cost Estimate

ARDAMAN & ASSOCIATES, INC.Geotechnical, Environmental and Materials Consultants
COST ESTIMATE

JOB NO: 2523-014

JOB NAME: 5-MG Ground Storage Tank

ENGINEER: JPM DATE: 02/03/25

CHECKED: DATE:

SHEET: 1 of 1

ENGINEERING SERVICES

	Quantity	Units	Rate	Subtotal
Senior Project Engineer	2.5	Hour	\$ 172.00	\$ 430.00
Assistant Project Engineer	25	Hour	\$ 130.00	\$ 3,250.00
CADD Draftsperson	4	Hour	\$ 78.00	\$ 312.00
Technical Typist	2	Hour	\$ 67.00	\$ 134.00
Engineering Services Subtotal				\$ 4,126.00

FIELD SERVICES

	Quantity	Units	Rate	Subtotal
Brush Mowing and Borehole Layout (1/2 day)	1	Lump Sum	\$ 1,750.00	\$ 1,750.00
Mobilization/Demobilization of Drilling Equipment	1	Mob	\$ 465.00	\$ 465.00
Staff Geotechnical Engineer to Log Boreholes	20	Hour	\$ 119.00	\$ 2,380.00
SPT Borings - 0 to 50 feet	200	Feet	\$ 19.30	\$ 3,860.00
SPT Borings - 50 to 100 feet	80	Feet	\$ 22.40	\$ 1,792.00
Grout Boreholes with Cement/Bentonite - 0 to 50 feet	200	Feet	\$ 5.00	\$ 1,000.00
Grout Boreholes with Cement/Bentonite - 51 to 100 feet	80	Feet	\$ 5.70	\$ 456.00
Rig Time - SPT Rig (set up, final groundwater measurements, etc	2	Per Hour	\$ 247.00	\$ 494.00
Misc. Materials and Equipment	1	Project	\$ 90.00	\$ 90.00
Field Services Subtotal				\$ 12,287.00

LABORATORY SERVICES

	Quantity	Units	Rate	Subtotal
Grain Size - 200 Wash	5	Test	\$ 48.00	\$ 240.00
Grain Size - Sieve Analysis	5	Test	\$ 69.00	\$ 345.00
Atterberg Limits Testing	5	Test	\$ 135.00	\$ 675.00
Moisture Content	24	Test	\$ 27.00	\$ 648.00
Corrosion Series Testing	1	Test	\$ 220.00	\$ 220.00
Sample Preparation	1	Project	\$ 165.00	\$ 165.00
Laboratory Services Subtotal				\$ 2,293.00

GEOTECHNICAL SERVICES TOTAL \$18,706.00

Task Order Request Form

P-Form 2021.09 Revised
07/14/2023

Continuing Engineering Services for Water System

2025-51

Name of CSA (Continuing Service Agreement)

TASK ORDER NUMBER

Date: 05/06/25 City Bid Number: RFQ 20-03-COC AMOUNT: \$ 499,334.00

Vendor Name: Jacobs Engineering Group, Inc. Quote/Proposal Number: 2025-51

Dept. Number/Division Name: Utilities/Engineering

Project Name: Steel Ground Storage Tank Replacement Project Number: WS18RD

Please use this section only if you are revising the original task order, which will generate a change order.

AMENDMENT

Amendment to Original Task Order No. : _____ Requested Amendment Amount: _____

Original Task Order Amount: _____ Total Revised Amount including all Amendments: _____

Total number of Amendments including this one: _____

Scope of Services; Justification for Amendment

The 5-million-gallon steel ground storage tank at the Dyal Water Treatment Plant is reaching the end of its useful life. Engineering services are requested to design a new concrete ground storage tank as its replacement. The good faith estimate of the construction cost for the replacement project falls below the current CCNA threshold, allowing the design work to be performed through the continuing engineering services agreement.

Design is Construction Related: ☒ YES ☐ NO ☐ N/A Good Faith Estimate of Construction Value: \$ 6,000,000.00
Documentation for Good Faith Estimate Attached and Valid: ☒ YES ☐ NO ☐ N/A
Reference if applicable: Florida Statutes 287.055, Consultants Competitive Negotiation Act (CCNA)

John Perrin

Digitally signed by John Perrin
Date: 2025.05.06 15:16:45 -04'00'

Requestor

John "Jack" Walsh

Digitally signed by John "Jack" Walsh
Date: 2025.05.07 17:18:04 -04'00'

Department Director

***** DO NOT WRITE BELOW THIS LINE - AUTHORIZED PERSONNEL ONLY *****

Task Order : ☒ Approved ☐ Disapproved Refer to this Task # on all documentation: 2025-51
Council Approval Required: ☒ YES ☐ NO

Reason
Disapproved:

Brian Dale

Digitally signed by Brian Dale
Date: 2025.05.13 08:53:18 -04'00'

Purchasing & Contracts Division Manager

City Manager (Purchases not to exceed \$75K)

Mayor (Purchases that exceed \$75K)

- 1) Requestor: Completes form and forwards all supporting documentation to Department Director.
- 2) Dept. Director reviews and approves, forwards Task Order and all supporting documentation to purchasing@cocoafll.org. (Subject Line to read: TO-VENDOR NAME Task # (if previously requested) PRICE-DEPT-DIV.)
- 3) Purchasing assigns Task Order Number and emails link that contains Task Order and all supporting documentation to the Purchasing Manager.
- 4) Purchasing Manager reviews and approves, uploads approved Task Order Form.
- 5) Task Order and all supporting documentation is forwarded to the City Manager for review and approval for Purchases not exceeding \$75K. Approved Task Order by City Manager will be returned back to purchasing@cocoafll.org. If over \$75K, Task Order and all documentation is forwarded back to Requestor who must then initiate an agenda item for City Council Approval. Once approved by City Council the City Clerk will have the Mayor sign both the Task Order Form and the Proposal if applicable and forward copies to purchasing@cocoafll.org.
- 6) Purchasing logs, the Task Order in the database and forwards fully executed Task Order and all supporting documentation back to Requestor.

From: [Anglely, Richie](#)
To: [John Perrin](#)
Cc: [Holcomb, Pamela](#)
Subject: RE: GST replacement
Date: Tuesday, August 20, 2024 2:18:09 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.jpg](#)
[image006.jpg](#)
[image007.jpg](#)
[image008.jpg](#)
[image009.png](#)
[image010.jpg](#)
[image011.png](#)

EXTERNAL MESSAGE - USE CAUTION WITH LINKS AND ATTACHMENTS!

Hi John,

Per your request, we have refreshed the budgetary cost estimate for the replacement of the GST at Dyal. With the addition of stairs to the project and accounting for price increases due to inflation, we estimate the cost of the project at \$6,500,000 with \$6.0M for construction and \$500k for design. This cost estimate is high level for planning purposes and would be similar to a Class 5 cost estimate. The estimate is based on similar projects, a vendor quote for the concrete tank, and markup and escalation factors. Please reach out with any questions on this.

Thank you,

[Richie Anglely, P.E. \(FL\)](#)
[Jacobs](#)

Process Mechanical Engineer
407.903.5351

Richie.Anglely@jacobs.com

200 South Orange Avenue Suite 900
Orlando, FL 32801

From: John Perrin <jperrin@cocoafl.gov>
Sent: Monday, July 22, 2024 1:53 PM
To: Anglely, Richie <Richie.Anglely@jacobs.com>
Subject: [EXTERNAL] RE: GST replacement

Richie,

Checking on the ETA of this one. This isn't critical. Just wanted to make sure it was not lost.
Please let me know when you get a moment.

Thanks,
John

From: John Perrin
Sent: Tuesday, July 2, 2024 1:11 PM

To: Angley, Richie <richie.angley@jacobs.com>

Subject: GST replacement

Richie,

When you get back –

Can you have your team refresh the budgetary cost estimate for the replacement of the GST at Dyal? This would include inflation since the last cost estimate, and the addition of stairs.

The purpose is to check that we fall under the new CCNA threshold for designing with continuing consultant.

Thanks,

John



John Perrin, P.E.
Senior Engineer, Utilities Department

351 Shearer Boulevard • Cocoa, FL 32922
☐ (321) 433-8793 ☐ jperrin@cocoafl.org ☐ www.CocoaFL.gov



PLEASE NOTE: Florida has a very broad public records law. Most written communications (including contents of emails and email addresses) to or from City of Cocoa officials and employees regarding public business are public records available to the public and media upon request. Your written and e-mail communications may be subject to public disclosure. If you do not want your written and email communications released in response to a public records request, do not send written or email communications to City of Cocoa officials and employees. Instead, contact this office by phone.

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

**AGREEMENT FOR
CONTINUING ENGINEERING SERVICES FOR WATER SYSTEM**

THIS AGREEMENT is made and entered this 5th day of February 2020, by and between the **CITY OF COCOA, FLORIDA**, a Florida municipal corporation ("City"), located at 65 Stone Street, Cocoa, Florida 32922, and **JACOBS ENGINEERING GROUP INC.**, a Delaware corporation authorized to do business in the State of Florida ("Engineer"), whose principal address is 1999 Bryan Street, Dallas, TX 75201.

WITNESSETH:

WHEREAS, the City has a need to obtain engineering, design and permitting services from time to time for projects related to the City's water system on an as-needed, task - oriented basis; and

WHEREAS, the City has followed the selection and negotiation process set forth in the Florida's Engineers' Competitive Negotiation Act, Section 287.055, Florida Statutes; and

WHEREAS, the Engineer participated in the selection and negotiation process; and

WHEREAS, the Engineer is willing to provide such engineering, design and permitting services to the City under the terms and conditions stated herein; and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties covenant and agree as follows:

1.0 TERM AND DEFINITIONS

1.1 Unless sooner terminated by either Party pursuant to the terms and conditions herein, this Agreement shall terminate on the third (3rd) anniversary of the Effective Date. The Parties shall have the option to extend the term for two (2) additional two (2) year terms. Any such extension shall only be by written amendment to this Agreement executed by both parties hereto.

1.2 The terms and conditions of any Task Order, as described in Section 2.0 hereof, shall be as set forth in such Task Order. Any Task in effect at the termination of this Agreement shall remain in effect until completion of said Task Order, and all of the terms and conditions of this Agreement shall survive until completion of all Task Orders.

1.3 Definitions. The following words and phrases used in this Agreement shall have the following meaning ascribed to them unless the context clearly indicates otherwise:

a. "Agreement" or "Contract" shall be used interchangeably and shall refer to this Agreement, as may be amended from time to time, which shall constitute authorization for the Engineer to provide the engineering, design and permitting services approved by Task Order by the City and is also sometimes referred to herein to include all Task Orders approved hereunder.

b. "Effective Date" shall be the date on which the last signatory hereto shall execute this Agreement, and it shall be the date on which this Agreement shall go into effect. The Agreement shall not go into effect until said date.

c. "Engineer" shall mean Jacobs Engineering Group Inc. and its principals, employees and resident project representatives (and assistants).

d. "Public Record" shall have the meaning given in section 119.011(12), Florida Statutes, as may be amended.

e. "Reimbursable Expenses" shall mean the actual expenses incurred by the Engineer or Engineer's independent professional associates and Engineers which are directly related to travel and subsistence at the rates, and under the requirements of, Section 112.061, Florida Statutes, as may be amended or any other actual and direct expenses the City agrees to reimburse by Task Order.

f. "Work" or "Services" shall be used interchangeably and shall include the performance of the work agreed to by the parties in a Task Order.

g. "Task Order" shall mean a written document approved by the parties pursuant to the procedure outlined in Section 2.0 of this Agreement, and any amendments thereto approved pursuant to the procedures outlined in Section 3.0 herein, which sets forth the Work to be performed by the Engineer under this Agreement, and shall include, without the necessity of a cross-reference, the terms and conditions of this Agreement.

1.4 Engagement. The City hereby engages the Engineer and the Engineer agrees to perform the Services outlined in this agreement for the stated fee arrangement. No prior or present representations shall be binding upon any of the parties hereto unless incorporated in this Agreement.

2.0 DESCRIPTION OF SERVICES

2.1 The City shall make request of the Engineer to perform engineering, design and permitting services on a "task" basis. The City will communicate with the Engineer, verbally or in writing, a general description of the task to be performed. If a site visit by the Engineer is needed to generate the scope of document, the Engineer shall request approval prior to visiting the site. The Engineer will generate a detailed Scope of Work document, prepare a Schedule, add a Not-to-Exceed Budget or Lump Sum Fee to accomplish the task with a detailed cost breakdown based on the hourly rate schedule attached hereto as **Exhibit "A,"** and send the thus developed "Task Proposal" to the City. The detailed cost breakdown of the lump sum fee or not-to-exceed budget shall consist of a list of major sub-tasks and a man-hour breakdown for all work to be performed. The cost breakdown shall include all sub-consultant work and the Task Proposal shall include the written price proposals from all sub-consultants. The detailed cost breakdown shall include a line item for Reimbursable Expenses and the list of the expenses proposed to be eligible for reimbursement. The City reserves the right, at its discretion, to

consider the Task Proposal as part of a formal or informal competitive bid process before approving or disapproving any Task Proposal.

The City will review the Task Proposal, along with any other task proposals submitted to the City by other contractors, and if the description, cost and other details of the Task Proposal are deemed by the City to be in the City's best interests, the parties will enter into a mutually agreeable written "Task Order." The Scope of Services generally to be provided by the Engineer through a Task Order may include any engineering, design and permitting services for any City water system project and may contain written terms and conditions which are deemed supplemental to this Agreement.

The City will issue a notice to proceed to the Engineer in the form of a letter and an executed City purchase order. Upon receipt of the signed Task Order and the written notice to proceed from the City, the Engineer shall perform the services set forth in the Task Order.

2.2 The City reserves the right, at its discretion, to perform any services related to this Agreement or to retain the services of other engineering companies to provide professional services. Further, the City does not guarantee that any Work will be assigned to Engineer under this Agreement. The City reserves the right to assign or contract for professional services with any party at its sole discretion. No provision of this Agreement shall be construed to require the City to assign any Work or task to Engineer under this Agreement.

2.3 The Engineer may be asked to perform any engineering services related to the Water System. The Services may include, but are not limited to, the following:

1. Engineering Design Services to include design submittals, specification development, permitting, and Engineer of Record services;
2. Bidding Support Services;
3. Construction Phase Services including; shop drawing and submittal review, responses to requests for information, and progress meeting attendance/management, periodic site visits, testing, Certification of Construction, Record Drawings, Resident Engineer (if required), Construction Management and Inspection, startup assistance/training, and the use of alternative project delivery methods;
4. Cost Estimating Services;
5. Design, support, and implementation for Supervisory Control and Data Acquisition (SCADA) and other Instrumentation and Controls (I&C) infrastructure per the City's Control Systems Configuration Standards. The Dyal Plant is currently using Wonderware for their SCADA platform;
6. Design and management support of repair and maintenance projects for the Dyal plant, supply, and distribution system;
7. Engineering assessments, including structural, process, hydraulic, pipeline condition, etc.;
8. Permitting assistance including consumptive use permitting, negotiations, and compliance;
9. Environmental impact assessments, including wetlands monitoring, and other environmental assistance;

10. Hydraulic, hydrogeologic, and water quality modeling, calibration and analysis including ground water hydrology, Aquifer Storage and Recovery (ASR) system assistance and well drilling assistance;

11. Planning evaluations and studies including long-term master planning and Capital Improvement Plan (CIP) development, validation, prioritization, scheduling, probable cost determinations and coordination with various planning agencies;

12. Water Quality Monitoring Program management assistance (Technical and regulatory support);

13. Studies related to water treatment and quality;

14. Assistance in regulatory negotiations with the St. Johns River Water Management District, the Florida Department of Environmental Protection, and other regulatory agencies associated with the development and operation of the water system;

15. Asset management and condition assessment assistance including operation and maintenance studies;

16. Information management services including Geographical Information System (GIS), Global Positioning System (GPS), instrumentation, custom programming/software, and other technologies;

17. Security system design, support, and implementation;

18. System optimization assistance including lost water mitigation;

19. Grants assistance and state/federal funding assistance;

20. Engineering evaluation and design of alternative and conventional water supplies, wells, treatment facilities, transmission and distribution system modifications, expansions and other improvements including development of specifications and bench/pilot scale testing when necessary;

21. Reporting assistance to regulatory and other agencies including document preparation, public meetings, and presentations;

22. Program management services, including program management/administration, scheduling, cost control, document control, program website updating, design management, construction project support, and public involvement services in support of the Cocoa Utilities CIP program and repair and maintenance projects for the water system;

23. Services related to the development of the City's project financing and/or budget;

24. Assistance with preparation of information for rate and fee determinations and associated revenue projections;

25. Miscellaneous services including public relations assistance, design review, program management services, financial controls, and easement acquisition services.

2.4 The maximum hourly rates and certain direct charges or unit prices, as applicable, that can be charged under this Agreement by Engineer, unless otherwise agreed by the City in writing, are set forth in **Exhibit "A"** and fully incorporated herein by this reference.

2.5 No task in which the Engineer is to provide professional services to the City for a project with an estimated construction cost exceeding \$2 Million may be the subject of a Task Order under this Agreement.

3.0 CHANGES IN THE SCOPE OF WORK

3.1 The City may make changes in the Services at any time by giving written notice to the Engineer. If such changes increase (additional services) or decrease or eliminate any amount of Work, the City and the Engineer will negotiate any change in total cost or schedule modifications. If the City and the Engineer approve any change, the Task Order will be modified in writing to reflect the changes; and the Engineer shall be compensated for said services in accordance with the terms of Article 5.0 herein. All change orders shall be authorized in writing by the City's and the Engineer's designated representative.

3.2 All of City's said Task Orders and amendments thereto shall be performed in strict accordance with the terms of this Agreement insofar as they are applicable.

4.0 SCHEDULE

4.1 The Engineer shall perform services in conformance with the mutually agreed schedule set forth in the negotiated Task Order. The Engineer shall complete all of said services in a timely manner and will keep the City apprised of the status of work on at least a monthly basis or as otherwise reasonably requested by the City. Should the Engineer fall behind the agreed upon schedule, it shall employ such resources so as to comply with the agreed -upon schedule.

4.2 No extension for completion of services shall be granted to the Engineer without the City's prior written consent, except as provided in Sections 3.1 and 19.1 herein.

4.3 Any cost caused by defective or ill -timed services shall be borne by the party responsible therefore.

5.0 METHODS OF PAYMENT FOR SERVICES AND EXPENSES OF ENGINEER

5.1 General Services. For basic and additional Services performed by the Engineer's principals, employees and resident project representatives (and assistants) pursuant to paragraphs 2.0 and 3.0, the City agrees to pay the Engineer an amount equal to that agreed upon by the parties for a particular Task Order. However, payment terms must be consistent with the terms and conditions in this Agreement. To the extent that the payment terms in any Task Order conflict with the payment terms set forth in this Agreement, the conflicting provisions of this Agreement shall prevail.

5.2 Additional Services Performed by Professional Associates and Engineers. For additional Services and Reimbursable Expenses of independent professional associates and Engineers employed by the Engineer to render additional Services pursuant to paragraphs 2.0 and 3.0, the City agrees to pay the Engineer an amount equal to that billed the Engineer by the independent professional associates and Engineers. Prior to payment by the City, the Engineer shall submit to the City a copy of any written invoice received by the Engineer from all independent professional associates and Engineers which clearly evidences the amount billed by

the independent professional associates and Engineers for additional Services and any Reimbursable Expenses.

5.3 **Witness Services.** For witness services rendered by the Engineer's principals, employees, resident project representatives (and assistants) and independent professional associates and Engineers on behalf of the City in any litigation, arbitration or other legal or interested administrative proceeding in which the City is a named an interested party, the City agrees to pay the Engineer or independent professional associate or Engineer, which is used as a witness, an amount equal to that agreed upon by the party for a particular Task Order.

5.4 **Florida Prompt Payment Act.** Payment shall be due and payable as provided by the Florida Prompt Payment Act Section 218.70 et. seq., Florida Statutes.

5.5 **Miscellaneous.** Under no circumstances shall actual or direct costs under this Agreement include costs associated with inefficiency, offsite or home office overhead, loss of productivity, consequential damages, legal or costs associated with delays caused in whole or in part by the Engineer.

5.6 **Errors and Deficiencies.** The Engineer shall not invoice the City or seek any compensation from the City to correct or revise any errors or deficiencies in the Engineer's services provided under this Agreement.

5.7 **Payment Offsets.** To the extent that the Engineer owes the City any money under this or any other Agreement with the City, the City shall have the right to withhold payment and otherwise back charge the Engineer for any money owed to the City by the Engineer. Before withholding any payments, the City will provide Engineer with at least five (5) business days' notice to afford Engineer an opportunity to resolve the payment issue to the City's complete satisfaction within said time period.

5.8 **Payment not Waiver.** The City's payment of any invoice under this Agreement shall not be construed or operate as a waiver of any rights under this Agreement or any cause of action arising out of the performance of this Agreement and the Engineer shall remain liable to the City in accordance with applicable law for damages to the City caused by the Engineer's negligent, reckless, or intentionally wrongful performance of any Services provided under this Agreement.

5.9 **Delay Remedy.** The risk of any monetary damages caused by any delays in performing the Services under this Agreement and any Task Order are accepted and assumed entirely by the Engineer, and in no event shall any claim relating thereto for an increase in compensation be made or recognized. The Engineer shall not make any claim nor seek any damages of any kind against the City for any delays, impacts, disruption or interruption caused by any delay. The Engineer's remedy for a delay shall be an equitable extension of time to perform the Services for each day of such delay that impacts the critical path of the schedule established under this Agreement or specific Task Order.

5.10 **Acceptance of Payment.** Acceptance of final payment by the Engineer for a
Agreement for Continuing Engineering Services for Water System
City of Cocoa / Jacobs Engineering, Inc.

specific Task Order shall constitute a release of all claims for payment which the Engineer may have against the City for that Task Order unless such claims are specifically reserved in writing and transmitted to the City by the Engineer prior to its acceptance. Said final payment shall not, however, be a bar to any claims that the City may have against the Engineer or to any remedies the City may pursue with respect to such claims.

5.11 Payment Adjustments. It is agreed that payment by the City of any billing will not constitute agreement as to the appropriateness of any item and that at the time of any final audit, all required adjustments will be made and reflected in a final payment. In the event that such final audit reveals an overpayment to the Engineer, the Engineer agrees to refund such overpayment to the City within ninety (90) days of notice of any such overpayment. Such refund shall not constitute a waiver by the Engineer for any claims relating to the validity of a finding by the City of overpayment.

5.12 Partial Payments. Payment made to the Engineer shall not constitute acceptance of the work or any portion thereof which is not in accordance with this Agreement. The City retains the right to pay only that percentage of the total contract amount that equals the same percentage that work completed bears to the total amount of work required to be performed under this Agreement. If the City objects to all or any portion of any invoice, it shall notify the Engineer of the same within five (5) days from the date of receipt and shall pay that portion of the invoice not in dispute. The parties shall immediately make every effort to settle the disputed portion.

6.0 RIGHT TO INSPECTION

6.1 The City or its affiliates shall at all times have the right to review or observe the Services performed by the Engineer.

6.2 No inspection, review or observation shall relieve the Engineer of its responsibility under this Agreement.

7.0 PROGRESS MEETING

7.1 The City's designated Project Manager may hold periodic progress meetings on a monthly basis, or more frequently if required by the City, during the term of any Task Order entered into under this Agreement. The Engineer's Project Manager and all other appropriate personnel shall attend such meetings as designated by the City's Project Manager.

8.0 SAFETY

8.1 The Engineer shall be solely and absolutely responsible and assume all liability for the safety and supervision of its principals, employees and resident project representatives (and assistants) while performing Services provided hereunder.

9.0 REASONABLE ACCESS

9.1 During the term of this Agreement, the City shall grant the Engineer reasonable

access to the City's premises, records and files for purposes of fulfilling its obligations under this Agreement.

10.0 INSURANCE

10.1 Liability Amounts. During the term of this Agreement, the Engineer shall be responsible for providing the types of insurance and limits of liability as set forth below.

a. Professional Liability. Proof of professional liability insurance shall be provided to the City for the amount of \$3,000,000.00 per occurrence and in the aggregate with a deductible not greater than \$50,000.00.

b. General Liability. The Engineer shall maintain comprehensive general liability insurance in the amount of \$1,000,000.00 as the combined single limit for each occurrence, with a deductible no greater than \$5,000.00, unless a higher deductible is pre-approved by the City Manager, to protect the Engineer from claims of property damages and personal injury which may arise from any Services performed under this Agreement, whether such Services are performed by the Engineer or by anyone directly employed by or contracting with the Engineer.

c. Automobile Liability. The Engineer shall maintain comprehensive automobile liability insurance in the amount of \$1,000,000 per occurrence combined single limit for bodily injury, including wrongful death, and property damage, which may arise from the ownership, use or maintenance of owned and non-owned automobiles, including rented automobiles, whether such operations be by the Engineer or by anyone directly or indirectly employed by the Engineer.

d. Workers' Compensation. The Engineer shall maintain, during the life of this Agreement, adequate Workers' Compensation Insurance and Employers' Liability Insurance in at least such amounts as are required by law for all of its employees performing Work for the City pursuant to this Agreement.

10.2 Special Requirements. Current, valid insurance policies meeting the requirements herein identified shall be maintained during the term of this Agreement. Renewal certificates shall be sent to the City thirty (30) days prior to any expiration date. There shall also be a thirty (30) day advance written notification to the City in the event of cancellation or modification of any stipulated insurance coverage. The City shall be an additional named insured on stipulated insurance policies included in article 10.1.b and 10.1.c herein, as its interest may appear, from time to time.

10.3 The insurance required by this Agreement shall include the liability and coverage provided herein, or as required by law, whichever requirements afford greater coverage. All of the policies of insurance so required to be purchased and maintained shall contain a provision or endorsement that the coverage afforded will not be canceled, materially changed or renewal refused until at least thirty (30) days' prior written notice has been given to the City, and the Engineer by certified mail, return receipt requested. All such insurance shall remain in effect until final payment. In the event that the Engineer shall fail to comply with the foregoing requirement, the City is authorized, but in no event shall be obligated, to purchase such insurance, and the City

may bill the Engineer. The Engineer shall immediately forward funds to the City in full payment for said insurance. It is expressly agreed that neither the provision of the insurance referred to in this Agreement nor the City's acceptance of the terms, conditions or amounts of any insurance policy shall be deemed a warranty or representation as to adequacy of such coverage. All insurance coverage shall be with insurer(s) rated as A+ by Best's Rating Guide (or equivalent rating and rating service as reasonably determined by the City Manager) and licensed by the State of Florida to engage in the business of writing of insurance or provided through the London Market for Professional Liability Insurance. The Engineer shall cause its insurance carriers, prior to the effective date of this agreement to furnish insurance certificates specifying the types and amounts of coverage in effect pursuant hereto, the expiration dates of such policies, and a statement that no insurance under such policies will be canceled without thirty (30) days' prior written notice to the City in compliance with other provisions of this Agreement. If the City has any objection to the coverage afforded by or other provision of the insurance required to be purchased and maintained by the Engineer in accordance with this Article on the basis of its not complying with the Agreement, the City shall notify the Engineer in writing thereof within thirty (30) days of the date of delivery of such certificates to the City. For all Work performed pursuant to this Agreement, the Engineer shall continuously maintain such insurance in the amounts, type and quality as required by the Agreement.

10.4 Independent Associates and Engineers. All independent associates and Engineers employed by the Engineer to perform any Services hereunder shall fully comply with the insurance provisions contained in this paragraph.

11.0 COMPLIANCE WITH LAWS AND REGULATIONS

11.1 The Engineer shall comply with all requirements of federal, state and local laws, rules, regulations, standards and/or ordinances applicable to the performance of Services under this Agreement.

12.0 REPRESENTATIONS

12.1 The Engineer represents that the Services provided hereunder shall conform to all requirements of this Agreement and any Task Order, shall be consistent with recognized and sound engineering practices and procedures; and shall conform to the customary standards of care, skill, and diligence appropriate to the nature of the Services rendered by professional engineers or consultants performing the same or similar services. The Engineer shall perform as expeditiously as is consistent with professional skill and care and the orderly progress of the Services performed hereunder. The Engineer's services shall be consistent with the time periods established under this Agreement or the applicable Task Order. The Engineer shall provide the City with a written schedule for services performed under each Task Order and such schedule shall provide for ample time for the City to review, for the performance of Engineers (if any), and for the approval of submissions by authorities having jurisdiction over the services. The Engineer's designated representative shall have the authority to act on the Engineer's behalf with respect to the Services. In addition, the Engineer's representative shall render decisions in a timely manner in order to avoid unreasonable delay in the orderly and sequential progress of the Services. Except with the City's knowledge and consent, the Engineer shall not engage in any

activity, or accept any employment, interest or contribution that would reasonably appear to compromise the Engineer's professional judgment with respect to the Services. The Engineer shall review laws, codes and regulations applicable to the Engineer's Services. The Engineer's services and design shall comply with all applicable requirements imposed by all public authorities at the time the Services are rendered. The Engineer represents and warrants that it is familiar with, and accepts that it will perform the Services hereunder in a manner that complies with all applicable requirements of law, codes, and regulations. The Engineer shall be responsible for the professional quality, technical accuracy and the coordination of all plans, studies, reports and other services furnished to the City under this Agreement. Unless this Agreement is terminated by the City, or terminated by the Engineer for nonpayment of any proper invoices, or the City exercises its rights to perform the Services pursuant to under Section 2.2 herein, the Engineer shall be responsible for the satisfactory and complete execution of the Services described in this Agreement and any Task Order. The Engineer represents that it will carefully examine the scope of services required by the City in the Task Order, that it will investigate the essential requirements of the services required by the Task Order and that it will have sufficient personnel, equipment and material at its disposal to complete the services set forth in the Task Order in a good professional and workmanlike manner in conformance with the requirements of this Agreement.

12.2 The Engineer represents that all principals, employees and other personnel furnishing such Services shall be qualified and competent to perform the Services assigned to them and that such guidance given by and the recommendations and performance of such personnel shall reflect their best professional knowledge and judgment.

13.0 GUARANTEE AGAINST INFRINGEMENT

13.1 The Engineer guarantees that all Services performed under this Agreement shall be free from claims of patent, copyright, and trademark infringement. Notwithstanding any other provision of this Agreement, the Engineer shall indemnify, hold harmless and defend the City, its officers, directors, employees, agents assigns and servants from and against any and all liability, including expenses, legal or otherwise, for actual or alleged infringement of any patent, copyright or trademark resulting from the use of any goods, services or other item provided under this Agreement. Notwithstanding the foregoing, the Engineer may elect to provide non - infringing services.

14.0 DOCUMENTS

14.1 Public Records. Pursuant to Section 119.0701, Florida Statutes and other applicable public records laws, Engineer agrees that any records, documents, transactions, writings, papers, letters, computerized information and programs, maps, books, audio or video tapes, films, photographs, data processing software, writings or other material(s), regardless of the physical form, characteristics, or means of transmission, of Engineer related, directly or indirectly, to the services provided to the City under this Agreement and made or received pursuant to law or ordinance or in connection with the transaction of official business by the City, may be deemed to be a public record, whether in the possession or control of the City or the Engineer. Said records, documents, transactions, writings, papers, letters, computerized

information and programs, maps, books, audio or video tapes, films, photographs, data processing software, writings or other material(s), regardless of the physical form, characteristics, or means of transmission of Engineer are subject to the provisions of Chapter 119, Florida Statutes, and may not be destroyed without the specific written approval of the City's designated custodian of public records.

IF THE ENGINEER HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE ENGINEER'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS, THE CITY CLERK, AT (321) 433-8484, cshealy@cocoafl.org, City Clerk's Office, 65 Stone Street, Cocoa, FL 32922.

Engineer is required to and agrees to comply with public records laws. Engineer shall keep and maintain all public records required by the City to perform the services as agreed to herein. Engineer shall provide the City, upon request from the City Clerk, copies of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided by law. Engineer shall ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the Agreement term. Upon completion of the Agreement, Engineer shall transfer to the City, at no cost, all public records in possession of the Engineer, provided the transfer is requested in writing by the City Clerk. Upon such transfer, Engineer shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. However, if the City Clerk does not request that the public records be transferred, the Engineer shall continue to keep and maintain the public records upon completion of the Agreement and shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City Clerk, in a format that is compatible with the information technology systems of the City. Should the City not possess public records relating to this Agreement which are requested to be inspected or copied by the City or any other person, the City shall immediately notify Engineer of the request and the Engineer shall then provide such records to the City or allow the records to be inspected or copied within a reasonable time. If the Engineer does not comply with a public records request, the City may enforce this Section to the extent permitted by law. Engineer acknowledges that if the Engineer does not provide the public records to the City within a reasonable time, the Engineer may be subject to penalties under Section 119.10, Florida Statutes. The Engineer acknowledges that if a civil action is filed against the Engineer to compel production of public records relating to this Agreement, the court may assess and award against Engineer the reasonable costs of enforcement, including reasonable attorney fees. All public records in connection with this Agreement shall, at any and all reasonable times during the normal business hours of the Engineer, be open and freely exhibited to the City for the purpose of examination, audit, or otherwise. Failure by Engineer to grant such public access and comply with public records laws and/or requests shall be grounds for immediate unilateral cancellation of this Agreement by the City upon delivery of a written notice of cancellation. If the Engineer fails to comply with this Section, and the City must enforce this Section, or the City suffers a third party award of attorney's fees and/or damages for violating Chapter 119, Florida Statutes, due to Engineer's failure to comply with this Section, the City shall collect from Engineer prevailing party attorney's fees and costs, and any damages incurred by the City, for enforcing this Section against Engineer. And, if applicable, the City shall also be entitled to reimbursement

of all attorneys' fees and damages which the City had to pay a third party because of the Engineer's failure to comply with this Section. The terms and conditions set forth in this Section shall survive the termination of this Agreement.

14.2. Reuse of Documents. All documents, including but not limited to, drawings, specifications and data or programs stored electronically or otherwise, prepared by the Engineer and its independent contractors and associates pursuant to this Agreement or related exclusively to the Services described herein shall be owned by the City and may be reused by the City for any reason or purpose at any time. However, the City agrees that the aforesaid documents are not intended or represented to be suitable for reuse by the City or others on any undertaking other than the Work outlined in this Agreement. Any reuse for an undertaking other than for the Work without verification or adaptation by the Engineer, or its independent contractors and associates if necessary, to specific purposes intended will be at the City's sole risk and without liability or legal exposure to the Engineer.

14.3. Ownership of Documents. The City and the Engineer agree that upon payment of fees due to the Engineer by the City for a particular design, report, inventory list, compilation, drawing, specification, model, recommendation, schedule or otherwise, said design, report, inventory list, compilation, drawing, specification, technical data, recommendation, model, schedule and other instrument produced by the Engineer in the performance of this Agreement, or any Work hereunder, shall be the sole property of the City, and the City is vested with all rights therein. The Engineer waives all rights of copyright in said design, report, inventory list, compilation, drawing, specification, technical data, recommendation, model, schedule and other instrument produced by the Engineer in the performance of this Agreement, and hereby assigns and conveys the same to the City whether in the possession or control of the Engineer or not.

14.4. Preexisting Ownership Rights to Documents. Notwithstanding any provisions to the contrary contained in this Agreement, the Engineer shall retain sole ownership to its preexisting information not produced and paid for by the City under this Agreement including, but not limited to, computer programs, software, standard details, figures, templates and specifications.

15.0 ASSIGNMENT

15.1 The Engineer shall not assign or subcontract this Agreement, any Task Order hereunder, or any rights or any monies due or to become due hereunder without the prior, written consent of the City. Any subcontractors employed by Engineer for any Work required under this Agreement shall require prior written approval from the City, unless previously approved in the Task Order. Any attempt to assign or subcontract the responsibilities and payments under this Agreement without the express prior written consent of the City shall be grounds for termination of the Agreement.

15.2 If upon receiving written approval from the City, any part of this Agreement is subcontracted by the Engineer, the Engineer shall be fully responsible to the City for all acts and/or omissions performed by the subcontractor as if no subcontract had been made.

15.3 If the City determines that any subcontractor is not performing in accordance with this Agreement, the City shall so notify the Engineer who shall take immediate steps to remedy the situation.

15.4 If any part of this Agreement is subcontracted by the Engineer, prior to the commencement of any Work by the subcontractor, the Engineer shall require the subcontractor to provide the City and its affiliates with insurance coverage as set forth by the City.

16.0 INDEPENDENT CONTRACTOR

16.1 At all times during the term of this Agreement, the Engineer and any approved subcontractors shall be considered an independent contractor(s) and not an employee(s) of the City.

17.0 DEFAULT BY ENGINEER AND CITY'S REMEDIES

17.1 In addition to the City's right to terminate this Agreement for convenience under Section 18.0 of this Agreement, the City also reserves the right to revoke and terminate this Agreement for a default and to rescind all rights and privileges associated with this Agreement, without penalty, based on a default including, but not limited to, any of the following circumstances, each of which shall represent a default and breach of this Agreement:

a. The Engineer defaults in the performance of any material covenant or condition of this Agreement and does not cure such other default within thirty (30) calendar days after written notice from the City specifying the default complained of, unless, however, the nature of the default is such that it cannot, in the exercise of reasonable diligence, be remedied within thirty (30) calendar days, in which case the Engineer shall have such time as is reasonably necessary to remedy the default, provided the Engineer promptly takes and diligently pursues such actions as are necessary therefore; or

b. The Engineer is adjudicated bankrupt or makes any assignment for the benefit of creditors or the Engineer becomes insolvent, or is unable or unwilling to pay its debts; or

c. The Engineer has acted grossly negligent, as defined by general and applicable law, in performing the Services hereunder; or

d. The Engineer has committed any act of fraud upon the City; or

e. The Engineer has made a material misrepresentation of fact to the City while performing its obligations under this Agreement.

f. The Engineer has assigned this Agreement or any Task Order without the City's prior written consent.

17.2 Notwithstanding the aforementioned, in the event of a default by the Engineer, the City shall have the right to exercise any other remedy the City may have by operation of law, without limitation, and without any further demand or notice.

17.3 In the event of such termination upon default and breach of this Agreement, any completed services performed by the Engineer under this Agreement shall, at the option of the City, become the City's property and the Engineer shall be entitled to receive equitable compensation for any work completed to the satisfaction of the City. The Engineer, however, shall not be relieved of liability to the City for damages sustained by the City by reason of any breach of the Agreement, and the City may withhold any payments to the Engineer for the purpose of setoff until such time as the amount of damages due to the City from the Engineer can be determined.

18.0 TERMINATION

18.1 Notwithstanding any other provision of this Agreement, the City may, upon written notice to the Engineer, terminate this Agreement, without penalty, if: (a) the Engineer is in default pursuant to Section 17.0 Default; (b) the Engineer makes a general assignment for the benefit of its creditors; (c) the Engineer fails to comply with any condition or provision of this Agreement; or (d) the Engineer is experiencing a labor dispute which threatens to have a substantial, adverse impact upon performance of this Agreement without prejudice to any other right or remedy the City may have under this Agreement. In addition, either party may terminate for convenience with no penalty at any time upon thirty (30) days advance written notice. In the event of such termination, the City shall be liable only for the payment of all unpaid charges, determined in accordance with the provisions of this Agreement, for Work properly performed prior to the effective date of termination.

18.2 In addition, either party may terminate for convenience without penalty at any time upon thirty (30) days advance written notice.

18.3 In the event of termination, City shall be liable only for the payment of all unpaid charges, determined in accordance with the provisions of this Agreement, for Work properly performed prior to the effective date of termination.

19.0 FORCE MAJEURE

19.1 Any delay or failure of either party in the performance of its required obligations hereunder shall be excused if and to the extent caused by acts of God; fire; flood; windstorm; explosion; riot; war; sabotage; strikes (with the exception of Engineer's labor force); extraordinary breakdown of or damage to the City's affiliates' generating plants, their equipment or facilities; court injunction or order; federal and/or state law or regulation; order by any regulatory agency; or cause or causes beyond the reasonable control of the party affected; provided that prompt notice of such delay is given by such party to the other and each of the parties hereunto shall be diligent in attempting to remove such cause or causes. If any circumstance of Force Majeure remains in effect for sixty days, either party may terminate this Agreement.

20.0 GOVERNING LAW & VENUE

20.1 This Agreement is made and shall be interpreted, construed, governed, and enforced in accordance with the laws of the State of Florida. Venue for any state action or litigation shall be Brevard County, Florida. Venue for any federal action or litigation shall be Orlando, Florida.

21.0 HEADINGS

21.1 Paragraph headings are for the convenience of the parties only and are not to be construed as part of this Agreement.

22.0 SEVERABILITY

22.1 In the event any portion or part of thereof this Agreement is deemed invalid, against public policy, void, or otherwise unenforceable by a court of law, the parties shall negotiate an equitable adjustment in the affected provision of this Agreement. The validity and enforceability of the remaining parts of this Agreement shall otherwise be fully enforceable.

23.0 WAIVER AND ELECTION OF REMEDIES

23.1 Waiver by either party of any terms, or provision of this Agreement shall not be considered a waiver of that term, condition, or provision in the future.

23.2 No waiver, consent, or modification of any of the provisions of this Agreement shall be binding unless in writing and signed by a duly authorized representative of each party hereto.

24.0 THIRD PARTY RIGHTS

24.1 Nothing in this Agreement shall be construed to give any rights or benefits to anyone other than the City and the Engineer.

25.0 PROHIBITION AGAINST CONTINGENT FEES

25.1 The Engineer warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Engineer, to solicit or secure this Agreement, and that it has not paid or agreed to pay any person, company, corporation, individual or firm, other than a bona fide employee working solely for the Engineer, any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or making of this Agreement. For the breach or violation of this provision, the City shall have the right to terminate the agreement without liability and, at its discretion, to deduct from the contract price, or otherwise recover, the full amount of such fee, commission, percentage, gift, or consideration.

26.0 ENTIRE AGREEMENT

26.1 This Agreement, including any Task Orders and Schedules, Attachments, Appendices and Exhibits attached hereto, constitute the entire agreement between the City and the Engineer with respect to the Services specified and all previous representations relative thereto, either written or oral, are hereby annulled and superseded.

27.0 NO JOINT VENTURE

27.1 Nothing herein shall be deemed to create a joint venture or principal-agent relationship between the parties, and neither party is authorized to, nor shall either party act toward third persons or the public in any manner which would indicate any such relationship with the other.

28.0 ATTORNEY'S FEES

28.1 Should any litigation arise concerning this Agreement between the parties, the parties agree to bear their own costs and attorney's fees, whether at settlement, trial or on appeal.

29.0 COUNTERPARTS

29.1 This Agreement may be executed in any number of counterparts, each of which when so executed and delivered shall be considered an original agreement; but such counterparts shall together constitute but one and the same instrument.

30.0 DRAFTING

30.1 The City and the Engineer each represent that they have both shared equally in drafting this Agreement and no party shall be favored or disfavored regarding the interpretation of this Agreement in the event of a dispute between the parties.

31.0 NOTICE

31.1 Any notices required to be given by the terms of this Agreement shall be delivered by hand or mailed, postage prepaid to:

For Engineer:

Jacobs Engineering Group Inc.
200 South Orange Avenue
Suite 900
Orlando, FL 32801
Attention: Mr. Didier Menard
Work: (407) 903-5252
Fax: (407) 903-5150

For City:

City of Cocoa
Attention: City Manager
65 Stone Street
Cocoa, FL 32922
(321) 433-8688 Phone
(321) 433-8698 Fax

31.2 Either party may change the notice address by providing the other party written notice of the change.

31.3 Any Notice given as provided herein shall be deemed received as follows: if delivered by personal service, on the date so delivered; if delivered to an overnight courier service, on the business day immediately following delivery to such service; and if mailed, on the third business day after mailing.

32.0 SOVEREIGN IMMUNITY

32.1 The City intends to avail itself of the benefits of Section 768.28, Florida Statutes and any other statutes and common law governing sovereign immunity to the fullest extent possible. Neither this provision nor any other provision of this Agreement shall be construed as a waiver of the City's right to sovereign immunity under Section 768.28, Florida Statutes, or other limitations imposed on the City's potential liability under state or federal law. Engineer agrees that City shall not be liable under this Agreement for punitive damages or interest for the period before judgment. Further, City shall not be liable for any claim or judgment, or portion thereof, to any one person for over two hundred thousand dollars (\$200,000.00), or any claim or judgment, or portion thereof, which, when totaled with all other claims or judgments paid by the State or its agencies and subdivisions arising out of the same incident or occurrence, exceeds three hundred thousand dollars (\$300,000.00). Nothing in this Agreement is intended to inure to the benefit of any third party for the purpose of allowing any claim which would otherwise be barred under the doctrine of sovereign immunity or by operation of law. This paragraph shall survive termination of this Agreement.

33.0 CORPORATE REPRESENTATIONS BY ENGINEER

33.1 The Engineer hereby represents and warrants to the City the following:

a. The Engineer is duly registered and licensed to do business in the State of Florida and is in good standing under the laws of Florida, and is duly qualified and authorized to carry on the functions and operations set forth in this Agreement.

b. The undersigned representative of the Engineer has the power, authority, and legal right to execute and deliver this Agreement on behalf of the Engineer.

34.0 INDEMNIFICATION AND LIMITATION OF LIABILITY

Agreement for Continuing Engineering Services for Water System
City of Cocoa / Jacobs Engineering, Inc.

34.1 The Engineer shall indemnify and hold harmless the City, its officers, employees, from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the Engineer and other persons employed or utilized by the Engineer in the performance of this Agreement, including any Task Order.

The Engineer specifically assumes potential liability for actions brought by the Engineer's own employees against the City and, solely for the purpose of this indemnification, the Engineer specifically waives its entitlement, if any, to immunity under Section 440.11, Florida Statutes. This waiver has been specifically and mutually negotiated by the parties.

The indemnity provisions set forth in this Section shall survive termination of this Agreement.

34.2 For other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Engineer expresses its willingness to enter into this Agreement with the knowledge that the Engineer's recovery from the City to any action or claim arising from the Agreement is limited to a maximum amount of the sum of any Agreement amount that is owed by the City for services actually performed by the Engineer to the City's complete satisfaction, and in no case shall exceed the amount provided in article 32.1 herein. Nothing contained in this paragraph or elsewhere in this Agreement is in any way intended either to be a waiver of the limitation placed upon the City's liability as set forth in Section 768.28 Florida Statutes, or to extend the City's liability beyond the limits established in said Section 768.28 Florida Statutes; and no claim or award against the City shall include attorney's fees, investigative costs, expert fees, suit costs or pre-judgment interest.

34.3 PURSUANT TO SECTION 558.0035, FLORIDA STATUTES, AN INDIVIDUAL EMPLOYEE OR AGENT OF THE ENGINEER MAY NOT BE HELD INDIVIDUALLY LIABLE FOR ECONOMIC DAMAGES RESULTING FROM NEGLIGENCE UNDER THIS AGREEMENT IF THE CONDITIONS OF SECTION 558.0035 ARE SATISFIED.

34.4 Notwithstanding any other provision of this Agreement, neither party shall have liability to the other for contingent, consequential, or other indirect damages including, without limitation, damages for loss of use, revenue or profit; operating costs and facility downtime, however the same may be caused. The limitations and exclusions of liability set forth in this Article shall apply regardless of the fault, breach of contract, tort (including negligence), strict liability or otherwise of either party, their respective employees, or subconsultants.

35.0 ENGINEER'S PERSONNEL AT CONSTRUCTION SITE

35.1 The presence or duties of the Engineer's personnel at a construction site, whether as onsite representatives or otherwise, do not make the Engineer or the Engineer's personnel in any way responsible for those duties that belong to the City and/or the construction contractors or other entities, and do not relieve the construction contractors or any other entity of their

obligations, duties and responsibilities including, but not limited to, all construction methods, means, techniques, sequences and procedures necessary for coordinating and completing all portions of the construction work in accordance with the applicable construction contract documents and any health or safety precautions required by such construction work. The Engineer and the Engineer's personnel have no authority to exercise any control over any construction contractor or other entity or their employees in connection with their work or any health or safety precautions and have no duty for inspecting, noting, observing, correcting or reporting on health or safety deficiencies of the construction contractor(s) or other entity or any other persons at the site except the Engineer's own personnel.

35.2 The presence of the Engineer's personnel at a construction site is for the purpose of providing to the City a greater degree of confidence that the completed work will conform generally to the applicable contract documents and that the integrity of the design concept as reflected in the contract documents has been implemented and preserved by the construction contractor(s). The Engineer neither guarantees the performance of the construction contractor(s) nor assumes responsibility for construction contractor's failure to perform work in accordance with the contract documents or for the safety of persons and property during construction which shall remain the sole responsibility of the construction contractor. Engineer will not bear any responsibility or liability for construction contractor's defects or deficiencies or for the failure to so detect. For this Agreement only, construction sites include places of manufacture for materials incorporated into the construction work, and construction contractors include manufacturers of materials incorporated into the construction work.

36.0 RECORD DRAWINGS

36.1 Record drawings, if required, will be prepared, in part, on the basis of information compiled and furnished by others, and may not always represent the exact location, type of various components, or exact manner in which the project was finally constructed. The Engineer is not responsible for any errors or omissions in the information from others that is incorporated into the record drawings.

37.0 ADDITIONAL ASSURANCES

37.1 The Engineer for itself and its Sub-consultants, if any, certifies that:

a. No principal (which includes officers, directors, or executive) or individual holding a professional license and performing work under this Agreement is presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from participation in any architecture, landscape architecture, engineering, or surveying activity by any Federal, State, or local governmental commission, department, corporation, subdivision or agency;

b. No principal (which includes officers, directors or executive) or individual holding a professional license and performing work under this Agreement, employee or agent has employed or otherwise provided compensation to, any employee or officer of the City; and;

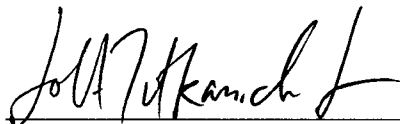
c. No principal (which includes officers, directors or executive) or individual holding a professional license and performing work under this Agreement, employee or agent has willfully offered an employee or officer of the City any pecuniary or other benefit with the intent to influence the employee or officer's official action or judgment.

d. The undersigned is authorized to execute this Agreement on behalf of the Engineer and said signature shall bind the Engineer to this Agreement. No further action is required by the Engineer to enter into this Agreement other than the Engineer's undersigned representative's execution of the Agreement.

IN WITNESS WHEREOF, the parties hereto caused this Agreement to be executed by their duly authorized representatives as of the date first written above.

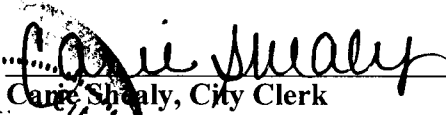
CITY:

CITY OF COCOA



John Titkanich, Jr. , City Manager

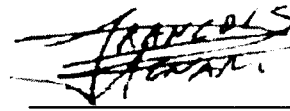
ATTEST:



Carrie Shaly, City Clerk

ENGINEER:

Jacobs Engineering, Inc. (Firm name)



_____, Title

Francois D. Menard, P.E., Vice President



EXHIBIT A
HOURLY RATE SCHEDULE

EXHIBIT "A"**Jacobs Engineering Group Rate Schedule**

Classification	Description	Rate
Engineer 9	Principal	\$235
Engineer 8	Senior Reviewer/Consultant	\$235
Engineer 7	Senior Project Manager	\$235
Engineer 6	Senior Professional Engineer/Scientist/Consultant	\$218
Engineer 5	Mid-Level Professional Engineer/Scientist/Consultant/Project Manager	\$199
Engineer 4	Professional Engineer/Scientist/Consultant/Project Manager	\$169
Engineer 3	Junior Professional Engineer/Scientist/Consultant	\$142
Engineer 2	Project Engineer/Scientist/Consultant	\$120
Engineer 1	Junior Project Engineer/Scientist/Consultant	\$110
Engineer 0	Engineering Intern	\$95
Technician 5	Senior Construction Manager/Senior Designer	\$169
Technician 4	Construction Manager/Senior Technician	\$142
Technician 3	Senior Construction Inspector	\$120
Technician 2	Construction Inspector/Technician	\$110
Technician 1	Junior Construction Inspector/Junior Technician	\$85
Technician Aide	Technical Aide	\$80
Office	Office/Project Administration	\$85

Notes:

1. Billing rates for the City of Cocoa are designated for the length of this Agreement from February 2020 through January 2023.
2. These rates do not include other direct expense cost. Reimbursable other direct expenses shall be billed in accordance with the terms of the contract.
3. Billing rate schedule is for time basis work order and the City will be billed based on actual hours by category designated for an individual employee.
4. Jacobs reserves the right to request rate modifications for any future extensions to this agreement. Rate modifications must be established and agreed upon by both parties.
5. All copies, reproduction, subconsultant work, materials or equipment purchased or other direct costs shall be pass-thru cost without any mark-up.
6. Travel is reimbursable at the IRS rate for employees and specialists outside the Orlando office only.



Purchasing

65 Stone Street • Cocoa, FL 32922

PHONE: (321) 433-8833

EMAIL: purchasing@cocoafl.org

CITY OF COCOA
AMENDMENT TO CONTINUING SERVICES AGREEMENT
1st AMENDMENT
JACOBS ENGINEERING GROUP INC.

This FIRST Amendment to the Continuing Services Agreement entered on February 5, 2020 for engineering, design and permitting services is made between the City of Cocoa and Jacobs Engineering Group Inc.

The Parties desire to amend the Agreement as follows:

- A. The Term is extended through February 4, 2025, as allowable under Section 1.1 of the Agreement for an additional two (2) years, which is the first of two renewal options available.
- B. This Amendment increases the cost limitation in Section 2.5 of the Agreement to \$4 million in accordance with the amended Consultants' Competitive Negotiation Act (CCNA). Section 2.5 of the agreement states, "No task in which the Engineer is to provide professional services to the City for a project with an estimated construction cost exceeding \$2 Million may be the subject of a Task Order under this Agreement." This cost limitation was based on Florida Statute, Title XIX, 287.055, the CCNA. The Florida Legislature has since amended the CCNA, increasing the cost limitation effective July 1, 2020.

All other terms, conditions, provisions, and scope of services remain unchanged. By signing below, each party indicates its approval of this First Amendment to the Continuing Services Agreement.

Jacobs Engineering Group Inc.

CITY OF COCOA

By: Francois Didier Menard, PE
(Print Name)

By: Michael C. Blake
(Print Name)

Vice President
(Title)

Mayor
(Title)

10/28/2022

Signature / Date

12/13/2022

Signature / Date

Attest:

A circular official seal of the City of Cocoa, Florida. The outer ring contains the text "CITY OF COCOA" at the top and "FLORIDA" at the bottom. The inner circle contains the word "SEAL" in the center, with "CORPORATE" written in a smaller arc above it.

Carie Shealy

Carie Shealy, City Clerk

CC: Carie Shealy, City Clerk
Brian Dale, Purchasing / Contracts Division Manager
Jack Walsh, Director, Utilities



Purchasing

65 Stone Street • Cocoa, FL 32922

PHONE: (321) 433-8833

EMAIL: purchasing@cocoafl.org

CITY OF COCOA
AMENDMENT TO CONTINUING SERVICES AGREEMENT
2nd AMENDMENT
JACOBS ENGINEERING GROUP INC.

This SECOND Amendment to the Continuing Services Agreement entered on February 5, 2020, for engineering, design and permitting services is made between the City of Cocoa and Jacobs Engineering Group Inc.

The Parties desire to amend the Agreement as follows:

- A. The Term is extended through February 4, 2027, as allowable under Section 1.1 of the Agreement for an additional two (2) years, which is the second of two renewal options available.
- B. This Amendment increases the cost limitation in Section 2.5 of the Agreement in accordance with the newly amended Consultants' Competitive Negotiation Act (CCNA). The contractual cost limitations are based on Florida Statutes § 287.055, the CCNA. The Florida Legislature has recently amended the CCNA, increasing the cost limitation effective July 1, 2024. Under the newly amended CCNA, the maximum cost for each individual project procured pursuant to the CCNA has risen to \$7.5 Million, plus an annual increase based on the Consumer Price Index (CPI). Accordingly, Section 2.5 of the Agreement is stricken in its entirety and replaced with the following:

No task in which the Engineer is to provide professional services to the City for a project with an estimated construction cost exceeding the thresholds outlined in the Consultants' Competitive Negotiation Act, Florida Statutes § 287.055, ("CCNA"), may be the subject of a Task Order under this Agreement.

All other terms, conditions, provisions, and scope of services remain unchanged. By signing below, each party indicates its approval of this Second Amendment to the Continuing Services Agreement.

Jacobs Engineering Group Inc.

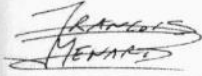
CITY OF COCOA

By: Francois Didier Menard, PE
(Print Name)

By: Michael C. Blake
(Print Name)

Vice President

(Title)

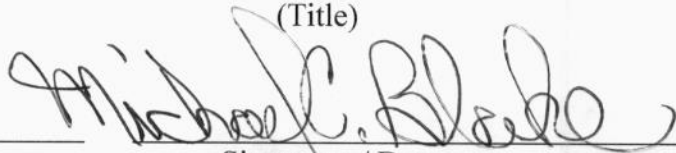


Signature / Date

07/23/2024

Mayor

(Title)



Signature / Date

Attest:



Monica Arsenault, City Clerk

CC: Monica Arsenault, City Clerk
Brian Dale, Purchasing Manager
Jack Walsh, Director, Utilities



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
06/03/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION** IS **WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER LIC #0437153 Marsh Risk & Insurance Services CIRTS_Support@jacobs.com 633 W. Fifth Street Los Angeles, CA 90071 USA	1-212-948-1306	CONTACT NAME: PHONE (A/C. No. Ext): E-MAIL ADDRESS: INSURER(S) AFFORDING COVERAGE INSURER A: ACE AMER INS CO INSURER B: INDEMNITY INS CO OF NORTH AMER INSURER C: INSURER D: INSURER E: INSURER F:	FAX (A/C. No): 1-212-948-1306 NAIC # 22667 43575
INSURED Jacobs Engineering Group Inc. C/O Global Risk Management 555 South Flower Street, Suite 3200 Los Angeles, CA 90071 USA			

COVERAGES**CERTIFICATE NUMBER: 750920128****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR ☒ CONTRACTUAL LIABILITY GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PRO-JECT ☐ LOC OTHER:			HDO G4892007A	07/01/24	07/01/25	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 1,000,000 PRODUCTS - COMP/OP AGG \$ 1,000,000
A	AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY			ISA H10739585	07/01/24	07/01/25	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB ☐ OCCUR EXCESS LIAB ☐ CLAIMS-MADE DED ☐ RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) ☐ Y/N ☒ N/A If yes, describe under DESCRIPTION OF OPERATIONS below			WLR C5072041A (AOS) WCU C57256564 (OH)* SCF C57256710 (WI) WLR C57256667 (AZ)	07/01/24 07/01/24 07/01/24 07/01/24	07/01/25 07/01/25 07/01/25 07/01/25	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	PROFESSIONAL LIABILITY			EON G21655065 015	07/01/24	07/01/25	PER CLAIM/PER AGG 3,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

PROJECT MGR: Pamela Holcomb. CONTRACT MGR: Jeff Voorhees. RE: Program management, engineering, design and permitting services. CONTRACT END DATE: 2/5/2023. SECTOR: Public. City of Cocoa FL is added as an additional insured for general liability & auto liability as respects the negligence of the insured in the performance of insured's services to cert holder under contract for captioned work. *THE TERMS, CONDITIONS, AND LIMITS PROVIDED UNDER THIS CERTIFICATE OF INSURANCE WILL NOT EXCEED OR BROADEN IN ANY WAY THE TERMS, CONDITIONS, AND LIMITS AGREED TO UNDER THE APPLICABLE CONTRACT.*

CERTIFICATE HOLDER**CANCELLATION**

City of Cocoa FL 351 Schearer Blvd. Cocoa, FL 32922 USA	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
--	---

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SUPPLEMENT TO CERTIFICATE OF INSURANCE

DATE
06/03/2024

NAME OF INSURED: Jacobs Engineering Group Inc.

Additional Description of Operations/Remarks from Page 1:

Additional Information:

***\$2,000,000 SIR FOR STATE OF: OHIO**

NOTICE TO OTHERS ENDORSEMENT – SCHEDULE – EMAIL ONLY

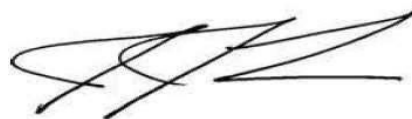
Named Insured Jacobs Solutions Inc.			Endorsement Number 8
Policy Symbol HDO	Policy Number G4892007A	Policy Period 07/01/2024 TO 07/01/2025	Effective Date of Endorsement
Issued By (Name of Insurance Company) ACE American Insurance Company			

Insert the policy number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

- A.** If we cancel the Policy prior to its expiration date by notice to you or the first Named Insured for any reason other than nonpayment of premium, we will endeavor, as set out below, to send written notice of cancellation, via such electronic notification as we determine, to the persons or organizations listed in the schedule that you or your representative provide or have provided to us (the "Schedule"). You or your representative must provide us with the e-mail address of such persons or organizations, and we will utilize such e-mail address that you or your representative provided to us on such Schedule.
- B.** The Schedule must be initially provided to us within 15 days after:
 - i.** The beginning of the Policy period, if this endorsement is effective as of such date; or
 - ii.** This endorsement has been added to the Policy, if this endorsement is effective after the Policy period commences.
- C.** The Schedule must be in an electronic format that is acceptable to us; and must be accurate.
- D.** Our delivery of the notification as described in Paragraph **A.** of this endorsement will be based on the most recent Schedule in our records as of the date the notice of cancellation is mailed or delivered to the first Named Insured.
- E.** We will endeavor to send such notice to the e-mail address corresponding to each person or organization indicated in the Schedule at least 30 days prior to the cancellation date applicable to the Policy.
- F.** The notice referenced in this endorsement is intended only to be a courtesy notification to the person(s) or organization(s) named in the Schedule in the event of a pending cancellation of coverage. We have no legal obligation of any kind to any such person(s) or organization(s). Our failure to provide advance notification of cancellation to the person(s) or organization(s) shown in the Schedule shall impose no obligation or liability of any kind upon us, our agents or representatives, will not extend any Policy cancellation date and will not negate any cancellation of the Policy.
- G.** We are not responsible for verifying any information provided to us in any Schedule, nor are we responsible for any incorrect information that you or your representative provide to us. If you or your representative does not provide us with a Schedule, we have no responsibility for taking any action under this endorsement. In addition, if neither you nor your representative provides us with e-mail address information with respect to a particular person or organization, then we shall have no responsibility for taking action with regard to such person or entity under this endorsement.
- H.** We may arrange with your representative to send such notice in the event of any such cancellation.
- I.** You will cooperate with us in providing the Schedule, or in causing your representative to provide the Schedule.
- J.** This endorsement does not apply in the event that you cancel the Policy.

All other terms and conditions of the Policy remain unchanged.

A handwritten signature in black ink, consisting of stylized, overlapping loops and strokes, positioned above a horizontal line.

Authorized Representative

NOTICE TO OTHERS ENDORSEMENT – SCHEDULE – EMAIL ONLY

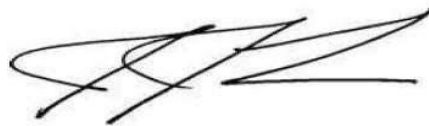
Named Insured Jacobs Solutions Inc.			Endorsement Number 2
Policy Symbol ISA	Policy Number H10739585	Policy Period 07/01/2024 TO 07/01/2025	Effective Date of Endorsement
Issued By (Name of Insurance Company) ACE American Insurance Company			

Insert the policy number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

- A.** If we cancel the Policy prior to its expiration date by notice to you or the first Named Insured for any reason other than nonpayment of premium, we will endeavor, as set out below, to send written notice of cancellation, via such electronic notification as we determine, to the persons or organizations listed in the schedule that you or your representative provide or have provided to us (the "Schedule"). You or your representative must provide us with the e-mail address of such persons or organizations, and we will utilize such e-mail address that you or your representative provided to us on such Schedule.
- B.** The Schedule must be initially provided to us within 15 days after:
 - i.** The beginning of the Policy period, if this endorsement is effective as of such date; or
 - ii.** This endorsement has been added to the Policy, if this endorsement is effective after the Policy period commences.
- C.** The Schedule must be in an electronic format that is acceptable to us; and must be accurate.
- D.** Our delivery of the notification as described in Paragraph **A.** of this endorsement will be based on the most recent Schedule in our records as of the date the notice of cancellation is mailed or delivered to the first Named Insured.
- E.** We will endeavor to send such notice to the e-mail address corresponding to each person or organization indicated in the Schedule at least 30 days prior to the cancellation date applicable to the Policy.
- F.** The notice referenced in this endorsement is intended only to be a courtesy notification to the person(s) or organization(s) named in the Schedule in the event of a pending cancellation of coverage. We have no legal obligation of any kind to any such person(s) or organization(s). Our failure to provide advance notification of cancellation to the person(s) or organization(s) shown in the Schedule shall impose no obligation or liability of any kind upon us, our agents or representatives, will not extend any Policy cancellation date and will not negate any cancellation of the Policy.
- G.** We are not responsible for verifying any information provided to us in any Schedule, nor are we responsible for any incorrect information that you or your representative provide to us. If you or your representative does not provide us with a Schedule, we have no responsibility for taking any action under this endorsement. In addition, if neither you nor your representative provides us with e-mail address information with respect to a particular person or organization, then we shall have no responsibility for taking action with regard to such person or entity under this endorsement.
- H.** We may arrange with your representative to send such notice in the event of any such cancellation.
- I.** You will cooperate with us in providing the Schedule, or in causing your representative to provide the Schedule.
- J.** This endorsement does not apply in the event that you cancel the Policy.

All other terms and conditions of the Policy remain unchanged.

A handwritten signature in black ink, consisting of stylized, overlapping loops and strokes.

Authorized Representative

Workers' Compensation and Employers' Liability Policy

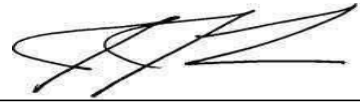
Named Insured JACOBS SOLUTIONS INC. 555 S. FLOWER STREET SUITE 3200 LOS ANGELES CA 90017	Endorsement Number
	Policy Number Symbol: WLR Number: C5072041A
Policy Period 07-01-2024 TO 07-01-2025	Effective Date of Endorsement 07-01-2024
Issued By (Name of Insurance Company) INDEMNITY INS. CO. OF NORTH AMERICA	
Insert the policy number. The remainder of the information is to be completed only when this endorsement is issued subsequent to the preparation of the policy. This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.	

NOTICE TO OTHERS ENDORSEMENT – SCHEDULE – EMAIL ONLY

- A.** If we cancel this Policy prior to its expiration date by notice to you or the first Named insured for any reason other than nonpayment of premium, we will endeavor, as set out below, to send written notice of cancellation, via such electronic notification as we determine, to the persons or organizations listed in the schedule that you or your representative provide or have provided to us (the "Schedule"). You or your representative must provide us with the e-mail address of such persons or organizations, and we will utilize such e-mail address that you or your representative provided to us on such Schedule.
- B.** The Schedule must be initially provided to us within 15 days after:
- The beginning of the Policy period, if this endorsement is effective as of such date; or
 - This endorsement has been added to the Policy, if this endorsement is effective after the Policy period commences.
- C.** The Schedule must be in an electronic format that is acceptable to us; and must be accurate.
- D.** Our delivery of the notification as described in Paragraph **A.** of this endorsement will be based on the most recent Schedule in our records as of the date the notice of cancellation is mailed or delivered to the first Named Insured.
- E.** We will endeavor to send such notice to the e-mail address corresponding to each person or organization indicated in the Schedule at least 30 days prior to the cancellation date applicable to the Policy.
- F.** The notice referenced in this endorsement is intended only to be a courtesy notification to the person(s) or organization(s) named in the Schedule in the event of a pending cancellation of coverage. We have no legal obligation of any kind to any such person(s) or organization(s). Our failure to provide advance notification of cancellation to the person(s) or organization(s) shown in the Schedule shall impose no obligation or liability of any kind upon us, our agents or representatives, will not extend any Policy cancellation date and will not negate any cancellation of the Policy.
- G.** We are not responsible for verifying any information provided to us in any Schedule, nor are we responsible for any incorrect information that you or your representative provide to us. If you or your representative does not provide us with a Schedule, we have no responsibility for taking any action under this endorsement. In addition, if neither you nor your representative provides us with e-mail address information with respect to a particular person or organization, then we shall have no responsibility for taking action with regard to such person or entity under this endorsement.
- H.** We may arrange with your representative to send such notice in the event of any such cancellation.
- I.** You will cooperate with us in providing the Schedule, or in causing your representative to provide the Schedule.
- J.** This endorsement does not apply in the event that you cancel the Policy.

All other terms and conditions of this Policy remain unchanged.

This Endorsement is not applicable in the states of AZ, FL, ID, ME, NC, NJ, NM, TX and WI.



Authorized Representative

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

Named Insured Jacobs Solutions Inc.			Endorsement Number
Policy Symbol EON	Policy Number G21655065 015	Policy Period 07/01/2024 to 07/01/2025	Effective Date of Endorsement 07/01/2024
Issued By (Name of Insurance Company) ACE American Insurance Company			

NOTICE TO OTHERS ENDORSEMENT – SCHEDULE

- A. If **We** cancel or non-renew the **Policy** prior to its expiration date by notice to **You** for any reason other than nonpayment of premium, **We** will endeavor, as set out below, to send written notice of cancellation or non-renewal via such electronic or other form of notification as **We** determine, to the persons or organizations listed in the schedule that **You** or **Your** representative provide or have provided to **Us** (the **Schedule**). **You** or **Your** representative must provide **Us** with both the physical and e-mail address of such persons or organizations, and **We** will utilize such e-mail address and/or physical address that **You** or **Your** representative provided to **Us** on such **Schedule**.
- B. The **Schedule** must be initially provided to **Us** within 30 days after:
- The beginning of the **Policy Period**, if this endorsement is effective as of such date; or
 - This endorsement has been added to the **Policy**, if this endorsement is effective after the **Policy Period** commences.
- C. The **Schedule** must be in a format that is acceptable to **Us** and must be accurate.
- D. **Our** delivery of the notification as described in Paragraph A of this endorsement will be based on the most recent **Schedule** in **Our** records as of the date the notice of cancellation or non-renewal is mailed or delivered to **You**.
- E. **We** will endeavor to send or deliver such notice to the e-mail address or physical address corresponding to each person or organization indicated in the **Schedule** at least 30 days prior to the cancellation or non-renewal date applicable to the **Policy**.
- F. The notice referenced in this endorsement is intended only to be a courtesy notification to the person(s) or organization(s) named in the **Schedule** in the event of a pending cancellation or non-renewal of coverage. **We** have no legal obligation of any kind to any such person(s) or organization(s). **Our** failure to provide advance notification of cancellation or non-renewal to the person(s) or organization(s) shown in the **Schedule** shall impose no obligation or liability of any kind upon **Us**, **Our** agents or representatives, will not extend any **Policy** cancellation or non-renewal date and will not negate any cancellation or non-renewal of the **Policy**.
- G. **We** are not responsible for verifying any information provided to **Us** in any **Schedule**, nor are **We** responsible for any incorrect information that **You** or **Your** representative provide to **Us**. If **You** or **Your** representative does not provide **Us** with a **Schedule**, **We** have no responsibility for taking any action under this endorsement. In addition, if neither **You** nor **Your** representative provides **Us** with e-mail address and/or physical address information with respect to a particular person or organization, then **We** shall have no responsibility for taking action with regard to such person or entity under this endorsement.
- H. With respect to this endorsement **Our**, **Us** or **We** means the stock insurance company listed in the Declarations, and **You** or **Your** means the insured person or entity listed in Item 1 of the Declarations page.

All other terms and conditions of this **Policy** remain unchanged.


JOHN J. LUPICA, President
Authorized Representative

CITY COUNCIL AGENDA ITEM

Memo Date: May 14, 2025
Agenda Date: May 27, 2025
File ID: 2025-465
Prepared By: Lora Howell, Deputy Finance Director
Through: Stockton Whitten, City Manager
Requested Action: Approve a Resolution Amending the FY25 Budget, BAF# 25-065-A, for the State of Florida Division of Emergency Management De-Obligation of PW7205, Hurricane DR-4337, IRMA, Vinyl Fencing Reimbursement at Lee Wenner Park and Riverfront Park, Project#ES17HI.

BACKGROUND:

On June 18, 2019, the Florida Division of Emergency Management agreed to obligate funding for replacing the damaged vinyl fencing around Lee Wenner Park and the Boardwalk due to Hurricane Irma and reimbursed the City for the cost of replacing the fencing. Upon review of all the projects that have since transpired at both Lee Wenner and Riverfront Park locations, FEMA and the State of Florida have determined this obligation is a duplicate request for fencing, as the City is also requesting reimbursement for the current handrails and knee wall, which are included with the T-Dock/Day Slips and Promenade projects several years after the event.

The vinyl fencing has since been relocated to another park, and different fencing has been installed since the T-Dock/Day-slips and Promenade projects began several years after the event.

Staff is requesting approval of BAF#25-065-A to repay the "overrun" back to the State of Florida Emergency Management for \$10,374. (Federal Share \$9,828 and State Share \$546)

PRIORITY AREA CONNECTION:

Organizational Effectiveness

BUDGETARY IMPACT:

Budgeted? **No**

Budget transfer attached Yes

Source/Use of Funds

<u>Account Number</u>	<u>Amount</u>
-----------------------	---------------

001-0000-389.99-50	\$9,828 ES17HI
--------------------	----------------

001-0000-389.99-50	\$ 546 ES17HI
--------------------	---------------

001-1601-525.49-00	\$10,374 ES17HI
--------------------	-----------------

PREVIOUS ACTION:

None

RECOMMENDED MOTION:

Approve a Resolution Amending the FY25 Budget, BAF# 25-065-A, for the State of Florida Division of Emergency Management De-Obligation of PW7205, Hurricane DR-4337, IRMA, Vinyl Fencing Reimbursement at Lee Wenner Park and Riverfront Park, Project#ES17HI.



STATE OF FLORIDA DIVISION OF EMERGENCY MANAGEMENT



Ron DeSantis, Governor

Kevin Guthrie, Executive Director

DATE: 05/15/2025
INVOICE #: 00-CCO-01
TO: Cocoa, City of
RE: Public Assistance Program, DR-4337 PW 7205 De-obligation

The Florida Division of Emergency Management (FDEM) has been notified that your Public Assistance project (PW 7205) is pending de-obligation, and will result in an underrun of \$10,374.00. This invoice serves as formal notification and a request for repayment.

When the Federal Emergency Management Agency (FEMA) reduces funding for a Subrecipient's project, those funds are immediately withdrawn from the Recipient's electronic account with the U.S. Treasury (SMARTLINK). Timely repayment ensures the effective management of the Public Assistance program and supports the availability of funds for future disbursements.

In accordance with your Funding Agreement, all refunds, or repayments due to FDEM are required no later than thirty (30) days from the date of notification of funds due. However, FDEM is extending the repayment deadline to forty-five (45) days.

Please remit the payment of \$10,374.00 within forty-five (45) days to:

Florida Division of Emergency Management
ATTN: FDEM Cashier
2555 Shumard Oak Blvd.
Tallahassee, FL. 32399-2100

Please include a copy of this invoice with your remittance to ensure proper processing. If unable to remit payment in full, you may offset the balance due with future Public Assistance payment(s), as long as the payment(s) are expected to be made within forty-five (45) days. If you elect to participate in this alternative option, a response to the Division, specifying the option is expected within seven (7) days.

DISASTER	PW	FEDERAL SHARE	ADMIN	STATE SHARE	WAIVER	LINE-ITEM TOTAL
4337	7205	\$9,828.00		\$546.00		\$10,374.00
RECEIVABLE TOTAL:						\$10,374.00
TOTAL AMOUNT DUE TO FDEM:						\$10,374.00

Please do not hesitate to contact Judith Day at (850) 815-4491 or Judith.Day@em.myflorida.com with any questions or concerns.

BALANCE SUBJECT TO FINAL FEMA GRANT DETERMINATION AT CLOSEOUT

DR4337-Cocoa, City of-PW7205

REFERENCE					ENCUMBRANCES		PAID		RECOUPED		BALANCE	
PW #	V#	DATE	TYPE	TYPE #	FEDERAL	STATE	FEDERAL	STATE	FEDERAL	STATE	FEDERAL	STATE
7205	0	6/14/2019	PKG	5537	\$ 8,190.00	\$ 1,365.00					\$ 8,190.00	\$ 1,365.00
7205	0	7/23/2019	PAY	11			\$ 8,190.00	\$ 1,365.00			\$ -	\$ -
7205	1	9/19/2019	PKG	9770	\$ 1,638.00	\$ (819.00)					\$ 1,638.00	\$ (819.00)
7205	1	2/4/2020	PAY	26			\$ 819.00				\$ 819.00	\$ (819.00)
7205	1	2/11/2020	PAY	25			\$ 819.00	\$ (819.00)			\$ -	\$ -
7205	2	Pending	Deob		\$ (9,828.00)	\$ (546.00)					\$ (9,828.00)	\$ (546.00)
TOTALS					\$ -	\$ -	\$ 9,828.00	\$ 546.00	\$ -	\$ -	\$ (9,828.00)	\$ (546.00)

Project #7205: Payable #11

Routing Complete



Details		Grant
Description:	Payables are positive payments to be made to Applicants.	4337 Hurricane Irma Public Assistance Declared: September 10, 2017 Emergency Deadline: March 10, 2018 CFDA Number: 97.036
Agreement Number:	-PA-00-06-15-01-091	
Total Funds:	\$9,555.00	
Federal Funds:	\$8,190.00 Voucher #: V000443 (Jul 23, 2019) Warrant #: n/a	
State Funds:	\$1,365.00 Voucher #: V000438 (Jul 23, 2019) Warrant #: n/a	
Project Count:	1 Project	Applicant Cocoa, City of Brevard County (Region 5, 4486 IEM, Regions 5 & 7, 4468 THF, 4673 KPMG, 4734 RSM Region) UEI: NY71W5M2KSR7 FIPS: 009-UCZ9W-00 FEIN #: 59-6000292 DUNS #: 07-919-5608 Type: City Physical/Mailing: 65 Stone St Cocoa, FL, 32922-7982
Receivables:	This Applicant has outstanding receivables totaling (\$10,374.00) (view Receivable Listing).	
Workflow Summary		Project
Current Step:	9) Paid Description: Payment reconciled	F #7205 86448 - Lee Wenner Park Vinyl Fencing G Parks, Recreational Facilities, and Other Items Work Deadline: March 10, 2019 Eligible: \$10,920.00 (S)
Recipients:	Grant Manager (State)	
Last Advanced:	Aug 20, 2019 at 4:08 PM by Shelly Powell	
Last Note Added:	Aug 20, 2019 at 4:08 PM by Kristianna Davis	

Submission: Jul 11, 2019 at 2:00 PM by Carly
Kish

Federal: \$9,828.00 (90%)
Un-Expended Eligible: \$0.00

Notes & Comments

There are currently no notes.

[Be the first to add one](#)

RESOLUTION NO. 2025-033

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA, AMENDING THE CITY OF COCOA BUDGET FOR FISCAL YEAR 2025; PROVIDING FOR THE REPEAL OF PRIOR INCONSISTENT RESOLUTIONS; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City Council of the City of Cocoa adopted the final budget for the fiscal year commencing on October 1, 2024, and ending on September 30, 2025, at a Regular meeting held on September 17, 2024; and

WHEREAS, in accordance with Article XII, Section 5 of the City of Cocoa Charter, whereby the Council may, at any time by resolution, transfer any unused and unencumbered appropriation or portion thereof from one office or department to another; and

WHEREAS, the City Council deems it to be in the best interest of the City of Cocoa to amend its budget as provided in this resolution.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF COCOA, as follows:

SECTION 1. The 2024-2025 fiscal year budget shall be amended as detailed in the attached sheets.

SECTION 2. All prior resolutions or prior resolutions inconsistent with this resolution are hereby repealed to the extent of the conflict.

SECTION 3. This resolution shall become effective immediately upon its adoption by the City Council of the City of Cocoa, Florida.

ADOPTED by the City Council of the City of Cocoa, Florida, at a Regular City Council meeting assembled on the 27th day of May, 2025.

Michael C. Blake, Mayor

ATTEST:

Monica Arsenault, City Clerk



City of Cocoa Budget Adjustment Form FY2025- 065-A

Select Adjustment Type: Budget Amendment

Requesting Department #: 1500 Finance

Date Prepared: 5/20/25

Revenue Accounts'

Adjusting Amount	Account Number	Account Name	Current Budget	Adjusted Budget	Project Number
\$ 10,374	001-0000-389.99-50	BALANCE FORWARD / FUND BAL-APPROP. RESERVES		\$ 10,374	ES17HI
				\$ 0	
				\$ 0	
				\$ 0	
				\$ 0	
				\$ 0	
				\$ 0	
				\$ 0	
				\$ 0	
				\$ 0	
\$ 10,374 Total					

Expense Accounts'

Adjusting Amount	Account Number	Account Name	Current Budget	Adjusted Budget	Project Number
\$ 10,374	001-1601-525.49-00	EMERGENCY/DISASTER SVS / OTHER CHARGES & OBLIG.		\$ 10,374	ES17HI
				\$ 0	
				\$ 0	
				\$ 0	
				\$ 0	
				\$ 0	
				\$ 0	
				\$ 0	
				\$ 0	
\$ 10,374 Total					

Reason/Justification for Adjustment:

To pay back FEMA for the de-obligation of DR-4337 PW7205, vinyl fence project from Hurricane Irma.

Agenda# 25-465

City Council Approval Needed? Yes: ☒ No: ☐

Date Approved: _____

Resolution #: 2025-033

~*City Council Approval needed for transfers greater than \$75,000 or transfers between departments/funds. All CRA adjustments must go to their respective boards.

Zoie Badalov
Digitally signed by Zoie Badalov
Date: 2025.05.20 17:06:49 -04'00'
Requestor's Signature

Zoie Badalov
Digitally signed by Zoie Badalov
Date: 2025.05.20 17:07:04 -04'00'
Finance Approval Signature

Finance Director's Signature

Lora Howell
Digitally signed by Lora Howell
Date: 2025.05.21 08:21:18 -04'00'
Department Director's Signature

Lora Howell
Digitally signed by Lora Howell
Date: 2025.05.21 08:22:25 -04'00'
Deputy Finance Director's Signature

City Manager's Signature

FINANCE USE ONLY:

Date Entered: _____

Entered By: _____

Group #: _____

CITY COUNCIL AGENDA ITEM

Memo Date: May 14, 2025
Agenda Date: May 27, 2025
File ID: 2025-466
Prepared By: Charlene Jenkins, Administrative Secretary
Through: Evander Collier, Police Chief
Requested Action: To consider approval of a multi-year contract between the School Board of Brevard County, and the City of Cocoa for the renewal of (3) school resource officers for the school year 2025-2026, beginning July 1, 2025, and ending June 30, 2026, and authorize the City Manager and City Attorney to finalize and execute the contracts with the Brevard County School Board. Also authorize the City Manager and City Attorney to finalize and execute the contract and MOU with Emma Jewel Charter Academy for one (1) school resource officer. Authorize the City Manager to approve subsequent amendments and renewals. Budgetary impact for FY26, pending the approval of the adoption of the FY26 budget.

BACKGROUND:

The School Board of Brevard County and the Cocoa Police Department desire the renewal of the agreement to provide school resource officers for Cocoa High School, Cambridge Elementary and Endeavour Elementary for the 2025-2026 school years. Also enter into a MOU with Emma Jewel Charter Academy to provide a school resource officer for the 2025-2026 school year. During the 2018 legislative session the Marjory Stoneman Douglas High School safety act was signed into law and requires a number of school safety initiatives. Of the more pressing initiative is for assignment of one or more safe-school officers at each school facility. Staff are requesting the Council's approval of this multi-year contract for the FY25/26 budget years, pending final approval of the City of Cocoa's budget, Brevard County School Board's budget and Emma Jewel Charter Academy's budget. Brevard County School Board is requesting that there be two (2) signed originals. Once two (2) fully executed contracts are complete, one (1) original will be sent to our agency. These agreements include the option for one-year renewals. The City Manager will be authorized to execute any renewals or amendments.

PRIORITY AREA CONNECTION:

Public Safety/Community Standards

BUDGETARY IMPACT:

Budgeted? Yes/No Yes

If not budgeted, is amendment / transfer attached?

Reimbursement from Brevard County Schools and Emma Jewel Charter Academy will be on a budgeted up to 220 school day basis with the City of Cocoa placing one officer at Cocoa High School, one officer at Cambridge Elementary, one officer at Endeavour Elementary and one officer at Emma Jewel Charter Academy beginning July 1, 2025, and ending June 30, 2026. During this time, the Brevard County School Board will reimburse the City of Cocoa \$223,500.00 and Emma Jewel Charter Academy will reimburse the City of Cocoa \$74,500.00 for School Resource Officer services.

Approximate salary & benefits for four (4) SRO = \$385,471.00

This is a Multi-Year Contract

FY25 - 3 months (July 1, 2025 - September 30, 2025)

Salaries & Wages	001-2100-521.12-00	\$54,220
Add Pays	001-2100-521.13-00	\$ 4,456
Show Allowance	001-2100-521.20-00	\$ 0
FICA	001-2100-521.21-00	\$ 4,489
Retirement	001-2100-521.22-00	\$15,128
Insurance	001-2100-521.23-00	\$ 142
Medical Insurance	001-2100-521.23-04	\$11,963
Dental	001-2100-521.23-07	\$ 354
Vision	001-2100-521.23-08	\$ 69
Long Term Disability	001-2100-521.23-09	\$ 161
Workers Comp	001-2100-521.24-00	\$ 1,661

FY2025 Total \$92,643

FY2026 - 9 months (October 1, 2025 - June 30, 2026)

Pending City Council Approval of the FY26 Budget

Salaries & Wages	001-2100-521.12-00	\$176,155
Add Pays	001-2100-521.13-00	\$13,368
Show Allowance	001-2100-521.20-00	\$ 500
FICA	001-2100-521.21-00	\$14,498
Retirement	001-2100-521.22-00	\$45,384
Insurance	001-2100-521.23-00	\$ 425
Medical Insurance	001-2100-521.23-04	\$35,888
Dental	001-2100-521.23-07	\$ 1,063
Vision	001-2100-521.23-08	\$ 205
Long Term Disability	001-2100-521.23-09	\$ 481
Workers Comp	001-2100-521.24-00	\$ 5,363

FY2026 Total \$293,330

TOTAL COST FOR MULTI-YEAR CONTRACT FOR FOUR (4) SCHOOL RESOURCE

OFFICERS: \$385,973, of which \$298,000 is reimbursable from Brevard County School Board and \$74,500 is reimbursable from Emma Jewel Charter Academy.

PREVIOUS ACTION:

None.

RECOMMENDED MOTION:

To consider approval of a multi-year contract between the School Board of Brevard County, and the City of Cocoa for the renewal of (3) school resource officers for the school year 2025-2026, beginning July 1, 2025, and ending June 30, 2026, and authorize the City Manager and City Attorney to finalize and execute the contracts with the Brevard County School Board. Also authorize the City Manager and City Attorney to finalize and execute the contract and MOU with Emma Jewel Charter Academy for one (1) school resource officer. Authorize the City Manager to approve subsequent amendments and renewals. Budgetary impact for FY26, pending the approval of the adoption of the FY26 budget.

MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING (this “MOU”), is entered into and made effective this 1st day of July, 2025, irrespective of when signed, by and between the **CITY OF COCOA, FLORIDA** (“CITY”), a Florida Municipal Corporation headquartered at 65 Stone Street, Cocoa, FL 32922, and **EMMA JEWEL CHARTER ACADEMY** (“EMMA JEWEL”), a Charter School headquartered at 705 Blake Ave, Cocoa, FL 32922, each individually a “Party,” collectively “Parties.”

WITNESSETH:

WHEREAS, EMMA JEWEL and the CITY desire to assign a School Resource Officer (“SRO”) to the school campus of the Emma Jewel Charter Academy for a period of not more than 190 days during the school year; and

WHEREAS, in accordance with the Marjory Stoneman Douglas High School Public Safety Act, EMMA JEWEL and the CITY believe that this partnership will improve communication among local law enforcement entities, the Florida Department of Juvenile Justice, the Florida Department of Children and Families, the Florida Department of Law Enforcement, community behavioral health providers, and the Emma Jewel Charter Academy, to increase school security efforts and services, provide prevention/intervention strategies, and provide/expand opportunities for safety and security training and awareness for EMMA JEWEL’s staff members, as well as the faculty and students attending the school and the parents of such students;

NOW, THEREFORE, in consideration of the covenants and promises made below, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

1. The recitals set forth above are true and correct and are hereby incorporated into this MOU.
2. This MOU shall be effective commencing July 1, 2025, and shall terminate on June 30, 2026, unless otherwise terminated earlier as provided herein. After the expiration of the term ending on June 30, 2026, this Agreement may be renewed by the Parties for successive one-year periods

(commencing on July 1st and ending on June 30th of each successive year) upon the written agreement of the Parties. The Agreement shall not automatically renew, and any renewal may only occur upon the written agreement of the Parties. Either Party may terminate this MOU upon thirty (30) days' written notice to the other Party. Any termination of this MOU which results in overpayment to the CITY will result in the return of funds to EMMA JEWEL equal to the proportionate amount of time remaining in the MOU.

3. The CITY shall assign one (1) SRO, who shall be a sworn law enforcement officer, to work at least a total of One Hundred Ninety (190) days, concurrent to EMMA JEWEL's teacher work calendar and inclusive of student attendance days. The SRO shall be assigned to EMMA JEWEL to provide security, preparation drills, safety training, and safety awareness related programs to the school campus, students, employees, volunteers, and visitors of EMMA JEWEL. Assignments of the SRO to the school campus shall be coordinated with *Thomas Cole, Principal, at 705 Blake Ave, Cocoa FL 32922*.
4. **Consideration Clause FY 2025-2026:** EMMA JEWEL agrees to reimburse the CITY a flat-fee of Seventy-Four Thousand, Five Hundred and 00/100 Dollars (\$74,500.00) per SRO for the salary, benefits, and associated costs of the CITY as agreed upon. In the event the CITY is unable to assign an SRO officer to fill the SRO position under this Agreement due to the resignation, dismissal, reassignment, or long term absence of an assigned SRO officer in excess of five (5) days (not including approved sick, vacation, or training time), or because the CITY does not have a qualified officer to serve in an SRO position, payment will only be made for the unfilled SRO position on a prorated basis based on the number of days remaining in a school year once the SRO is assigned to the school (or based on days SRO services are provided).
5. **FY 2025-2026:** The CITY shall be responsible for making salary payments and providing benefits to the SRO(s). EMMA JEWEL shall reimburse the CITY in four (4) equivalent installments calculated to include the following: the quarterly cost of each assigned SRO contemplated in Paragraph 3 and 4 above due on or before August 1, 2025 (covering the period beginning July 1, 2025, through September 30, 2025); November 1, 2025 (covering the period beginning October 1, 2025, through December 31, 2025); February 1, 2026 (covering the period beginning January 1, 2026, through March 31, 2026);

and April 1, 2026 (covering the period beginning April 1, 2026, through June 30, 2026). *All invoices should be submitted to **Thomas Cole**, Principal, at 705 Blake Ave, Cocoa, FL 32922.*

6. The CITY shall provide the law enforcement equipment and training related to the services provided by the SRO(s).
7. The Parties understand and agree that the SRO(s), in rendering services provided for by this MOU, is/are doing so as an employee of the CITY and not as an officer, agent, or employee of EMMA JEWEL.
8. EMMA JEWEL members or any employee under the jurisdiction of EMMA JEWEL shall not conduct an internal or administrative investigation or inquiry of alleged improper conduct on the part of any employee of the CITY. All concerns or allegations of improper conduct shall be forwarded immediately upon receipt by the Principal or designee to the Chief of Police or designee.
9. The SRO(s) shall comply with the provisions specified in Section 1006.12, Florida Statutes (the School Resource Officer Program).
10. At any time during the school year when students are not in school, or at the conclusion of the regular school year, the SRO(s) may be assigned other law enforcement duties by the Chief of Police.
11. During critical incidents, such as, but not limited to, natural disasters or declared emergencies by the federal government, Governor of Florida, Brevard County Commission, Brevard County Emergency Operations Center Policy Group, or CITY, the Parties shall discuss the specific role and activities of the SROs to accomplish the needs of EMMA JEWEL and the CITY throughout the time period of the critical incident, but at no time can either Party fail to fulfill the respective obligations by each Party as contained in this MOU, and Exhibit I and Exhibit II, to include funding, without mutually agreed written agreement. However, if the CITY is unable due to the nature of the critical incident, not due to any action or directive from the EMMA JEWEL or employees, representatives or agents of EMMA JEWEL, to provide the services for which the CITY is obligated to provide pursuant to this MOU, EMMA JEWEL shall not be obligated to pay for services that are not being rendered or offered to be rendered by the CITY.

12. At all material times, the SRO(s) shall wear the CITY's Police Department uniform or other attire as authorized by the Chief of Police.
13. The Parties agree that each Party shall be responsible for any economic damages that result from the negligence or intentional acts of such Party or such Party's employees, officers, agents, or attorneys.
14. EMMA JEWEL and CITY acknowledge that CITY is an agency or subdivision of the State of Florida. To the extent permitted in Section 768.28(19), Florida Statutes, each Party shall indemnify, defend, and hold harmless, and free from the liability, the other Party, its officers, agents, or employees while acting as such from all damages, costs, and expenses, including attorney's fees, which any of them may become obligated to pay by reason of the services contemplated hereunder except to the extent caused by the sole negligence of a Party.
15. The provisions of this MOU are in no event intended to constitute a waiver of, or in any way affect or impinge, the rights, privileges and immunities of any Party provided or arising pursuant to the provisions of Section 768.28, Florida Statutes, as amended from time to time, or any corresponding provisions of law.
16. The goals and guidelines stipulated in the attached Exhibits I and II are incorporated by reference herein and made a part hereof.
17. This MOU and respective Exhibits I and II constitute the entire agreement between the Parties and contain all of the agreements described herein between the Parties with respect to the subject matter contained herein. This MOU supersedes all other agreements, either oral or in writing, between the Parties hereto with respect to the subject matter of this MOU and respective Exhibits I and II.
18. No provision of this MOU may be changed or modified except by written agreement signed by the Parties.
19. This MOU is for the benefit of EMMA JEWEL and the CITY. No other person is intended to be a beneficiary under this MOU. No employee of the CITY

shall derive any property right in his/her employment not otherwise enjoyed by such employee, by virtue of this MOU. Furthermore, neither the CITY nor EMMA JEWEL assumes any duties to any individual, including foreseeable victims of crime, not otherwise imposed by common law, by virtue of the execution of this MOU.

20. The Parties acknowledge that, by the signing of this MOU, they have the right, power, legal capacity, and authority to enter into, and perform their respective obligations under this MOU, and no approvals or consents of any persons other than the Parties are necessary in connection with this MOU.
21. The Parties shall not assign nor transfer their respective obligations under this MOU, but this MOU shall continue in full force and effect notwithstanding the election or appointment of a Chief of Police who succeeds the CITY in office. This MOU shall be binding on the Parties' respective successors.
22. Notwithstanding any provisions in this MOU to the contrary, if EMMA JEWEL does not provide funding to the CITY to provide services pursuant to this MOU or any appendix contained or referenced, the CITY may terminate this MOU without incurring any further liability or obligations to EMMA JEWEL.
23. EMMA JEWEL has designated the Major and the CITY has designated the Chief of Police for the purpose of implementing the terms of this MOU.
24. To the extent that any provision of this MOU shall be determined by a court of competent jurisdiction to be invalid or unenforceable, such provision shall be deleted from this MOU, and the validity and enforceability of the remainder of such provision, if any, and of this MOU shall be unaffected.
25. This MOU shall be subject to and governed by the laws of the State of Florida, without regard to that state's conflict of laws principles. Venue for any action to interpret or enforce this MOU or that otherwise arises out of this MOU, shall lie exclusively in the appropriate state court in and for Brevard County, Florida.

26. This MOU may be executed simultaneously in two or more counterparts, each of which shall be an original, but all of which together shall constitute one and the same instrument.
29. The Parties acknowledge that many of their communications and documentation pertaining to this MOU may contain sensitive security information that is confidential and exempt from public records disclosure requirements in accordance with Section 281.301, Florida Statutes, and Section 119.071(3), Florida Statutes. Each Party acknowledges and agrees that it will comply with all aspects of Florida law relative to this MOU, including, but not limited to, the provisions of Chapters 119 and 281, Florida Statutes, pertaining to security systems / features, personnel schedules, duties, assignments, security personnel numbers, plans, records, and meetings that may be exempt from public access or disclosure.
30. **IF EMMA JEWEL HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO EMMA JEWEL'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, EMMA JEWEL SHALL CONTACT THE CITY'S CUSTODIAN OF PUBLIC RECORDS AT 321-433-8480 OR AT EMAIL: CITYCLERK@COCOAFL.ORG OR AT ADDRESS: 65 STONE STREET, COCOA, FL 32922, (ATTENTION: RECORDS). IF THE CITY HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CITY'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, THE CITY SHALL CONTACT EMMA JEWEL'S CUSTODIAN OF PUBLIC RECORDS AT 321-634-5462, OR AT THOMAS.COLE@EMMAJEWELCHARTER.COM OR AT EMMA JEWEL CHARTER ACADEMY, 705 BLAKE AVE, COCOA, FL 32922.**

[SIGNATURE PAGE TO FOLLOW]

IN WITNESS WHEREOF, the authorized representatives of each of the Parties hereto sign this MOU below on the date specified below, but in all events effective July 01, 2025.

CITY OF COCOA

**EMMA JEWEL
CHARTER ACADEMY**

BY: _____
Print: _____
Title: _____

BY: _____
Thomas Cole
Principal/Co-Founder

Date: _____

Date: _____

Approved as to form:

Approved as to form:

BY: _____
Print: _____
Title: _____

BY: _____
Print: _____
Title: _____

Date: _____

Date: _____

**ATTACHMENTS: EXHIBIT I
 EXHIBIT II**

Exhibit I

SCHOOL RESOURCE OFFICER PROGRAM GOALS

1. To enhance student safety and improve the security of school campuses;
2. To develop and promote positive relationships between students and law enforcement officers;
3. To foster a better understanding of law enforcement officers in the community;
4. To develop positive concepts of law enforcement;
5. To identify and prevent delinquent behavior through counseling and referral;
6. To provide assistance and support for victims of crime identified within the school setting, including abused children;
7. To develop a better appreciation of citizenship, citizens' rights, obligations, and responsibilities;
8. To provide information about crime prevention;
9. To enhance knowledge of the fundamental concepts and structure of the law;
10. To provide materials and consultative assistance to teachers and parents on various law education topics.

EXHIBIT II

SCHOOL RESOURCE OFFICER PROGRAM GUIDELINES

1. The School Resource Officer (SRO) is a CITY police officer, and shall remain exclusively an employee of the CITY and responsible to the police department chain of command.
2. Prior to the first day of school, the SRO will present to the Principal a written plan of action for the school year. The plan should include the SRO's work and activities schedule, and if appropriate, his/her work schedule and duties for school pre-planning and post-planning activities. This plan should also include an outline of classroom presentations that may be conducted by the SRO, as well as the number of instructional hours that the SRO may provide.
3. Not less than one (1) time per semester, the SRO and Principal will meet to review the SRO's plan of action and verbally discuss the SRO's progress. As necessary, additional meetings may be requested by either the Principal or the SRO to review the progress of the plan of action.
4. The SRO may be asked to provide supplemental instruction at the discretion of the Principal, as qualified. The Attorney General's (SRO Basic and Advanced Training) philosophy with regard to in-class SRO presentations will be used as a guide.
5. The SRO will engage with students in the following ways: before school during student arrival, between class breaks and during lunch periods, and after school during student dismissal.
6. The SRO shall report to his/her assigned school Principal daily. The SRO shall be assigned specifically to the school during all regular school days. If the SRO is called away from the school for a substantial portion of the school day, the SRO shall notify the Principal and provide the Principal

with a means of contacting the SRO or the appropriate law enforcement agency.

7. If the SRO witnesses inappropriate or unacceptable activity on campus, he/she shall report the incident to the school administration and, as appropriate, take law enforcement action. Both police department and school administrative procedures shall be followed. In the event of a policy conflict, police department policy and procedure shall prevail. The SRO shall avoid making arrests on school grounds except under exigent circumstances. If arrest is necessary, the SRO will be called to execute proper law enforcement procedure. If at all possible, the SRO should coordinate arrest and other operational strategies with the Principal.
8. Should it become necessary for the SRO to conduct a formal law enforcement interview with a student, the interview should be coordinated with the Principal, parents shall be notified by school staff, and police department policy will be followed.
9. The SRO is encouraged to attend parent, faculty, and staff meetings, as a part of the school administrative team, and to develop support and cultivate an understanding of the SRO program.
10. After consultation and approval of the Chief of Police or his/her designee, the Principal may request an SRO adjust his/her schedule and, as appropriate, may assign the SRO to duties after regular school hours, such as sponsoring extracurricular events, chaperoning field trips, or other after school activities. Any such request shall not conflict with police department policy, the officer's collective bargaining agreement, or result in overtime expenses to either the police department or Emma Jewel. These after-school activities will be under the supervision of school personnel. Emma Jewel will not compensate the SRO in an overtime capacity. (This does not include activities such as football games, basketball games, and school dances for which a separate contract of service is required).

11. All overtime shall be approved in advance by the SRO's law enforcement supervisor. Overtime expenses shall be borne by the CITY and not by Emma Jewel.
12. As determined by the police department, the SRO shall submit activity reports to be reviewed by the Principal.
13. The SRO has the authority to request a review of contract provisions after reasonable review and conferencing between the SRO and the Principal has occurred. The following procedures should be followed:
 - A. The SRO will request that a review of the contract provisions be completed stating the reasons for the request in writing. The request will be directed to the SRO's law enforcement supervisor, with a copy being provided to the Principal. A copy of that request must also be provided to the Chief of Police or his/her designee.
 - B. Within a reasonable period of time after receiving the request for review from the SRO, the Principal will meet with the Chief of Police, or his/her designee, to mediate or resolve any contract provision concerns that may exist between the SRO and the staff at his/her assigned school.
 1. With the approval of the Chief of Police or his/her designee, and the Principal and School Security, the SRO, and specified members of the school staff, may be required to be present at a mediation meeting.
 2. If, within a reasonable amount of time after commencement of mediation, the contract provision concerns cannot be resolved or mediated, in the opinion of both the Chief of Police, and the

Principal, or designees thereof, a reasonable alternative action will be identified and agreed upon in writing.

14. If, in the opinion of the Principal, the SRO is no longer effective in his or her role as an SRO, the Principal may request the reassignment of the SRO from his/her duties at school. In such cases, the following procedure should be followed:

A. The Principal will meet with the SRO, and the SRO's law enforcement supervisor and express the concerns and needs of the school. The Principal will work collaboratively with the SRO and SRO's law enforcement supervisor to clearly identify in writing their expectations, as well as the SRO's agreed upon school related duties and responsibilities. As appropriate, the SRO's law enforcement supervisor may implement a written action plan.

B. If, after reasonable review and discussion between the SRO, the SRO law enforcement supervisor and the Principal has occurred, in the opinion of the Principal the SRO's effectiveness remains questionable, the Principal may request the SRO be reassigned from their position at their assigned school.

C. The Principal shall contact the Chief of Police and request that the SRO be removed from the program at his/her school.

15. School employees shall not conduct an internal investigation of alleged improper conduct on the part of the SRO. The Principal or any other Emma Jewel employee shall report all allegations of improper conduct to either the SRO's law enforcement supervisor or to the police department Internal Affairs function.

16. At any time during the school year when students are not in school, or at the conclusion of the regular school year, the SRO shall be assigned other duties by the Chief of Police.

MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING (this “MOU”), is entered into and made effective this 1st day of July, 2025, irrespective of when signed, by and between **THE SCHOOL BOARD OF BREVARD COUNTY, FLORIDA**, hereinafter called the “**BOARD**,” and the **CITY OF COCOA, FLORIDA**, hereinafter called the “**CITY**,” each individually a “Party,” collectively “Parties.”

WITNESSETH:

WHEREAS, the BOARD and the CITY desire to assign School Resource Officers (“SROs”) to school campus(es) within the CITY for a period of not more than 220 days during the school year; and

WHEREAS, in accordance with the Marjory Stoneman Douglas High School Public Safety Act, the BOARD and the CITY believe that this partnership will improve communication among local law enforcement entities, the Florida Department of Juvenile Justice, the Florida Department of Children and Families, the Florida Department of Law Enforcement, community behavioral health providers, and the Brevard Public School District, to increase school and district security efforts and services, provide prevention/intervention strategies, and provide/expand opportunities for safety and security training and awareness for the BOARD’s staff members, as well as the faculty and students attending the schools under the jurisdiction of the BOARD and the parents of such students;

NOW, THEREFORE, in consideration of the covenants and promises made below, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

1. The recitals set forth above are true and correct and are hereby incorporated into this MOU.
2. This MOU shall be effective commencing July 1, 2025, and terminate on June 30, 2026, unless otherwise terminated earlier as provided herein. After the expiration of the term ending on June 30, 2026, this Agreement may be renewed by the Parties for successive one-year periods (commencing on July 1st and ending on June 30th of each successive year) upon the written agreement of the Parties. Thus, the Agreement will not automatically renew and any renewal can only occur upon the written agreement of the Parties.

Either Party may terminate this MOU upon ninety (90) days' written notice to the other Party. Any termination of this MOU that results in overpayment to the CITY will result in the return of funds to the BOARD equal to the proportionate amount of time remaining in the MOU.

3. The CITY shall assign up to four (4) SRO(s), each a sworn law enforcement officer(s), to work up to Two Hundred Twenty (220) days, concurrent to the School Board of Brevard County's teacher work calendar and inclusive of student attendance days, including Extended School Year (ESY also known as summer school). Each SRO shall be assigned to designated Brevard Public School campuses to provide security, preparation drills, safety training, and safety awareness related programs to the respective school campus, students, employees, volunteers, and visitors of the Brevard Public School District. The CITY will provide a minimum of three (3) SRO(s) for the start of the 2025-26 school year. Assignments of SRO(s) to school campuses shall be coordinated with ***Major Robert Cline, Director of District and School Security at 2700 Judge Fran Jamieson Way, Viera, FL 32940.*** Assignments will be made to support the following schools: Cocoa High, Endeavour Elementary, Cambridge Elementary, and Clearlake Education Center.
4. **Consideration Clause FY 2025-2026:** With respect to the term commencing on July 1, 2025, and terminating on June 30, 2026, the BOARD agrees to reimburse the CITY a flat-fee of Seventy-Four Thousand Five Hundred and 00/100 Dollars (\$74,500.00) per SRO for law enforcement services, which includes a portion of the salary, benefits, and associated costs of the CITY as agreed upon for up to the assigned three (3) SRO(s), for a total not to exceed amount of Two Hundred Twenty Three Thousand Five Hundred and 00/100 Dollars (\$223,500.00). If additional SROs become available to be assigned, beyond the initial three (3) (and up to four (4)), and adequate funding is available to the BOARD, the BOARD will reimburse the CITY prorated amount based upon the flat-fee of Seventy-Four Thousand Five Hundred and 00/100 (\$74,500.00) and the number of school days remaining in the school year per SRO. In the event the CITY is unable to assign an SRO officer to fill any of the four SRO positions under this Agreement due to the resignation, dismissal, reassignment, or long term absence of an assigned SRO officer in excess of five days (not including approved sick, vacation or training time), or because the CITY does not have a qualified officer to serve in an SRO position, payment will only be made for the unfilled SRO position on a

prorated basis based on the number of days remaining in a school year once the SRO is assigned to a school (or based on days SRO services are provided).

5. **FY 2025-2026:** The CITY shall be responsible for making salary payments and providing benefits to the SRO(s). The BOARD shall reimburse the CITY in four (4) equivalent installments calculated to include the following: the quarterly cost of each assigned SRO contemplated in Paragraph 3 and 4 above due on or before August 1, 2025 (covering the period beginning July 1, 2025, through September 30, 2025); November 1, 2025 (covering the period beginning October 1, 2025, through December 31, 2025); February 1, 2026 (covering the period beginning January 1, 2026, through March 31, 2026); and April 1, 2026 (covering the period beginning April 1, 2026, through June 30, 2026). *All invoices should be submitted to **Major Robert Cline**, Director of District and School Security at 2700 Judge Fran Jamieson Way, Viera, FL 32940.*
6. The CITY shall provide the law enforcement equipment and training related to the services provided by the SRO(s).
7. The Parties understand and agree that the SRO(s), in rendering services provided for by this MOU, is/are doing so as an employee of the CITY and not as an officer, agent, or employee of the BOARD.
8. BOARD members or any employee under the jurisdiction of the BOARD shall not conduct an internal or administrative investigation or inquiry of alleged improper conduct on the part of any employee of the CITY. All concerns or allegations of improper conduct shall be forwarded immediately upon receipt by the Superintendent or designee to the Chief of Police or designee.
9. The SRO(s) shall comply with the provisions specified in Section 1006.12, Florida Statutes (the School Resource Officer Program).
10. At any time during the school year when students are not in school, or at the conclusion of the regular school year, to include ESY (summer school), the SRO(s) may be assigned other law enforcement duties by the Chief of Police. The Parties agree that if ESY (summer school) is scheduled for a school the CITY provides SRO services, the CITY will provide the services for ESY to assist the School Board with complying with their requirements of armed

protection while students are present. These services do not financially impact this MOU or the agreed upon financial consideration.

11. During critical incidents, such as, but not limited to, natural disasters or declared emergencies by the federal government, Governor of Florida, Brevard County Commission, Brevard County Emergency Operations Center Policy Group, or CITY, the Parties shall discuss the specific role and activities of the SROs to accomplish the needs of the BOARD and the CITY throughout the time period of the critical incident, but at no time can either Party fail to fulfill the respective obligations by each Party as contained in this MOU, and Exhibit I and Exhibit II, to include funding, without mutually agreed written agreement. However, if the CITY is unable due to the nature of the critical incident, not due to any action or directive from the BOARD or employees, representatives or agents of the BOARD, to provide the services for which the CITY is obligated to provide pursuant to this MOU, the BOARD shall not be obligated to pay for services that are not being rendered or offered to be rendered by the CITY.
12. At all material times, the SRO(s) shall wear the CITY's Police Department uniform or other attire as authorized by the Chief of Police.
13. The Parties agree that each Party shall be responsible for any economic damages that result from the negligence or intentional acts of such Party or such Party's employees, officers, agents, or attorneys.
14. The BOARD and CITY acknowledge that each entity is an agency or subdivision of the State of Florida. To the extent permitted in Section 768.28(19), Florida Statutes, each Party shall indemnify, defend, and hold harmless, and free from the liability, the other Party, its officers, agents, or employees while acting as such from all damages, costs, and expenses, including attorney's fees, which any of them may become obligated to pay by reason of the services contemplated hereunder except to the extent caused by the sole negligence of a Party.
15. The provisions of this MOU are in no event intended to constitute a waiver of, or in any way affect or impinge, the rights, privileges and immunities of any Party provided or arising pursuant to the provisions of Section 768.28, Florida Statutes, as amended from time to time, or any corresponding provisions of law.

16. The CITY agrees to the goals and guidelines stipulated in the attached Exhibits I and II, which are incorporated by reference herein and made a part hereof.
17. This MOU and respective Exhibits I and II, constitute the entire agreement between the Parties and contains all of the agreements described herein between the Parties with respect to the subject matter contained herein. This MOU supersedes all other agreements, either oral or in writing, between the Parties hereto with respect to the subject matter of this MOU and respective Exhibits I and II.
18. No provision of this MOU may be changed or modified except by written agreement signed by the Parties.
19. This MOU is for the benefit of BOARD and the CITY. No other person is intended to be a beneficiary under this MOU. No employee of the CITY shall derive any property right in his/her employment not otherwise enjoyed by such employee, by virtue of this MOU. Furthermore, neither the CITY nor the BOARD assumes any duties to any individual, including foreseeable victims of crime, not otherwise imposed by common law, by virtue of the execution of this MOU.
20. The Parties acknowledge that, by the signing of this MOU, they have the right, power, legal capacity, and authority to enter into, and perform their respective obligations under this MOU, and no approvals or consents of any persons other than the Parties are necessary in connection with this MOU.
21. The Parties shall not assign nor transfer their respective obligations under this MOU, but this MOU shall continue in full force and effect notwithstanding the election or appointment of a Chief of Police who succeeds the CITY in office. This MOU shall be binding on the Parties' respective successors.
22. Notwithstanding any provisions in this MOU to the contrary, if the BOARD does not provide funding to the CITY to provide services pursuant to this MOU or any appendix contained or referenced, the CITY may terminate this MOU without incurring any further liability or obligations to the BOARD.
23. The BOARD has designated the Major and the CITY has designated the Chief of Police for the purpose of implementing the terms of this MOU.

24. To the extent that any provision of this MOU shall be determined by a court of competent jurisdiction to be invalid or unenforceable, such provision shall be deleted from this MOU, and the validity and enforceability of the remainder of such provision, if any, and of this MOU shall be unaffected.
25. This MOU shall be subject to and governed by the laws of the State of Florida, without regard to that state's conflict of laws principles. Venue for any action to interpret or enforce this MOU or that otherwise arises out of this MOU, shall lie exclusively in the appropriate state court in and for Brevard County, Florida.
26. This MOU may be executed simultaneously in two or more counterparts, each of which shall be an original, but all of which together shall constitute one and the same instrument.
27. The Parties acknowledge that many of their communications and documentation pertaining to this MOU may contain sensitive security information that is confidential and exempt from public records disclosure requirements in accordance with Section 281.301, Florida Statutes, and Section 119.071(3), Florida Statutes. Each Party acknowledges and agrees that it will comply with all aspects of Florida law relative to this MOU, including, but not limited to, the provisions of Chapters 119 and 281, Florida Statutes, pertaining to security systems / features, personnel schedules, duties, assignments, security personnel numbers, plans, records, and meetings that may be exempt from public access or disclosure.
28. Any request for training records of School Resource Officers (SROs) assigned to schools by the CITY, pursuant to Florida Statute 1006.12, shall be made directly to the CITY as the employing agency of the law enforcement officers serving as SROs. Such requests shall not be made to or processed by the School Board or any individual school within the Brevard County School District. The CITY shall be solely responsible for maintaining, processing, and responding to any requests for SRO training records in accordance with applicable laws and regulations. The School Board and its employees shall promptly redirect any requests for SRO training records to the CITY.
29. **IF THE BOARD HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119 AND 281, FLORIDA STATUTES,**

TO THE BOARD'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS MOU, THE BOARD SHALL CONTACT THE CITY'S CUSTODIAN OF PUBLIC RECORDS (CURRENTLY _____) AT 321-_____ OR AT EMAIL: _____ OR AT ADDRESS: _____, (ATTENTION: RECORDS).

- 30. IF THE CITY HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119 AND 281, FLORIDA STATUTES, TO THE CITY'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS MOU, THE CITY SHALL CONTACT THE BOARD'S CUSTODIAN OF PUBLIC RECORDS AT 321-633-1000, EXT. 11453, OR AT SCHOOL BOARD OF BREVARD COUNTY, ATTENTION: RECORDS, 2700 JUDGE FRAN JAMIESON WAY, VIERA, FLORIDA 32940.**

SIGNATURE PAGE TO FOLLOW

IN WITNESS WHEREOF, the authorized representatives of each of the Parties hereto sign this MOU below on the date specified below, but in all events effective July 1, 2025.

CITY OF COCOA, FLORIDA

BY _____

Dated: _____, 2025

Approved as to form:

Dated: _____, 2025

Attachments: Exhibit I
 Exhibit II

**THE SCHOOL BOARD OF
BREVARD COUNTY, FLORIDA**

BY _____
Gene Trent, Board Chair

Dated: _____, 2025

BY _____
Mark J. Rendell, Ed.D.
Superintendent

Dated: _____, 2025

Approved as to form:

Paul Gibbs, General Counsel
School Board of Brevard County, Florida

Dated: _____, 2025

Exhibit I

SCHOOL RESOURCE OFFICER PROGRAM GOALS

1. To enhance student safety and improve the security of school campuses;
2. To develop and promote positive relationships between students and law enforcement officers;
3. To foster a better understanding of law enforcement officers in the community;
4. To develop positive concepts of law enforcement;
5. To identify and prevent delinquent behavior through counseling and referral;
6. To provide assistance and support for victims of crime identified within the school setting, including abused children;
7. To develop a better appreciation of citizenship, citizens' rights, obligations, and responsibilities;
8. To provide information about crime prevention;
9. To enhance knowledge of the fundamental concepts and structure of the law;
10. To provide materials and consultative assistance to teachers and parents on various law education topics.

Exhibit II

SCHOOL RESOURCE OFFICER PROGRAM GUIDELINES

1. The School Resource Officer (SRO) is a CITY police officer and shall remain exclusively an employee of the CITY and responsible to the police department chain of command.
2. Prior to the first day of school, the SRO will present to the Principal a written plan of action for the school year. The plan should include the SRO's work and activities schedule, and if appropriate, his/her work schedule and duties for District pre-planning and post-planning activities. This plan should also include an outline of classroom presentations that may be conducted by the SRO, as well as the number of instructional hours that the SRO may provide.
3. Not less than one (1) time per semester, the SRO and Principal will meet to review the SRO's plan of action and verbally discuss the SRO's progress. As necessary, additional meetings may be requested by either the Principal or the SRO to review the progress of the plan of action.
4. The SRO may be asked to provide supplemental instruction at the discretion of the Principal, as qualified. The Attorney General's (SRO Basic and Advanced Training) philosophy with regard to in-class SRO presentations will be used as a guide.
5. The SRO will engage with students in the following ways: before school during student arrival, between class breaks and during lunch periods, and after school during student dismissal.
6. The SRO shall report to his/her assigned school Principal daily. The SRO shall be assigned specifically to the school during all regular school days. If the SRO is called away from the school for a portion of the school day, the SRO shall notify the Principal and Cocoa Police Department supervision. The Cocoa Police Department, in conjunction with the BPS Office of District and School Security, will work to ensure appropriate coverage at the school is provided.

7. If the SRO witnesses inappropriate or unacceptable activity on campus, he/she shall report the incident to the school administration and, as appropriate, take law enforcement action. Both police department and school administrative procedures shall be followed. In the event of a policy conflict, police department policy and procedure shall prevail. The SRO shall avoid making arrests on school grounds except under exigent circumstances. If arrest is necessary, the SRO will be called to execute proper law enforcement procedure. If at all possible, the SRO should coordinate arrest and other operational strategies with the Principal.
8. Should it become necessary for the SRO to conduct a formal law enforcement interview with a student, the interview should be coordinated with the Principal, parents shall be notified by school staff, and police department policy will be followed.
9. The SRO is encouraged to attend parent, faculty, and staff meetings, as a part of the school administrative team, and to develop support and cultivate an understanding of the SRO program.
10. After consultation and approval of the Chief of Police or his/her designee, the Principal may request an SRO adjust his/her schedule and, as appropriate, may assign the SRO to duties after regular school hours, such as sponsoring extracurricular events, chaperoning field trips, or other after school activities. Any such request shall not conflict with police department policy, the officer's collective bargaining agreement, or result in overtime expenses to either the police department or the District. These after-school activities will be under the supervision of school personnel. The District will not compensate the SRO in an overtime capacity. (This does not include activities such as football games, basketball games, and school dances for which a separate contract of service is required).
11. All overtime shall be approved in advance by the SRO's law enforcement supervisor. Overtime expenses shall be borne by the CITY and not the District.
12. As determined by the police department, the SRO shall submit activity reports to be reviewed by the Principal and the Director of District and School Security.

13. The SRO has the authority to request a review of contract provisions after reasonable review and conferencing between the SRO and the Principal has occurred. The following procedures should be followed:

A. The SRO will request that a review of the contract provisions be completed stating the reasons for the request in writing. The request will be directed to the SRO's law enforcement supervisor, with a copy being provided to the Principal. A copy of that request must also be provided to the Chief of Police or his/her designee and the Director of the Office of District and School Security.

B. Within a reasonable period of time after receiving the request for review from the SRO, the Director of the Office of District and School Security will meet with the Chief of Police, or his/her designee, to mediate or resolve any contract provision concerns that may exist between the SRO and the staff at his/her assigned school.

1. With the approval of the Chief of Police or his/her designee, and the Director of the Office of District and School Security, the SRO, and specified members of the school staff, may be required to be present at a mediation meeting.

2. If, within a reasonable amount of time after commencement of mediation, the contract provision concerns cannot be resolved or mediated, in the opinion of both the Chief of Police, and the Director of the Office of District and School Security, or designees thereof, a reasonable alternative action will be identified and agreed upon in writing.

14. If, in the opinion of the Principal, the SRO is no longer effective in his or her role as an SRO, the Principal may request the reassignment of the SRO from his/her duties at school. In such cases, the following procedure should be followed:

A. The Principal will meet with the SRO, and the SRO's law enforcement supervisor and express the concerns and needs of the school. The Principal will work collaboratively with the SRO and SRO's law enforcement supervisor to clearly identify in writing their expectations, as well as the SRO's agreed upon school related duties

and responsibilities. As appropriate, the SRO's law enforcement supervisor may implement a written action plan.

B. If, after reasonable review and discussion between the SRO, the SRO law enforcement supervisor and the Principal has occurred, in the opinion of the Principal the SRO's effectiveness remains questionable, the Principal may request the SRO be reassigned from their position at their assigned school.

C. The Principal shall contact the Director of District and School Security and request that the SRO be removed from the program at his/her school.

15. School Board employees shall not conduct an internal investigation of alleged improper conduct on the part of the SRO. The Principal or any other BOARD employee shall report all allegations of improper conduct to either the SRO's law enforcement supervisor or to the police department Internal Affairs function.

16. At any time during the school year when students are not in school, or at the conclusion of the regular school year, the SRO shall be assigned other duties by the Chief of Police.

Annual Cost		Michael Pedersen		Clyde H:
		FY25	FY26	FY25
Total Wages	12-00	52,020.80	56,335.14	52,956.80
Add Pays	13-00	4,974.98	4,974.98	3,774.98
Fica Taxes	21-00	4,360.18	4,690.22	4,339.98
Retirement Contributions	22-00	14,511.61	14,511.61	14,763.20
Insurance	23-00	137.20	137.20	137.20
Medical Insurance	23-04	11,962.53	11,962.53	11,962.53
Dental Insurance	23-07	354.09	354.09	354.09
Vision Insurance	23-08	68.36	68.36	68.36
Long term Disability	23-09	154.05	154.05	156.70
Workers Comp	24-00	1,612.98	1,735.08	1,605.51
Total Annual Cost:		90,156.78	94,923.26	90,119.35

FY25 3 months (July 1, 2025–September 30, 2025)		M. Pedersen	C. Hilliard	J. Salley
Total Wages	12-00	13,005.20	13,239.20	14,575.60
Add Pays	13-00	1,243.75	943.75	1,264.64
Fica Taxes	21-00	1,090.04	1,085.00	1,211.78
Retirement Contributions	22-00	3,627.90	3,690.80	4,061.21
Insurance	23-00	34.30	34.30	38.21
Medical Insurance	23-04	2,990.63	2,990.63	2,990.63
Dental Insurance	23-07	88.52	88.52	88.52
Vision Insurance	23-08	17.09	17.09	17.09
Long term Disability	23-09	38.51	39.18	43.15
Workers Comp	24-00	403.25	401.38	448.28
Total FY25 Cost		22,539.19	22,529.84	24,739.11

FY26 9 months (October 1, 2025–June 30, 2026)		M. Pedersen	C. Hilliard	J. Salley
Total Wages	12-00	42,251.36	43,017.86	47,350.93
Add Pays	13-00	3,731.24	2,831.24	3,793.91
Fica Taxes	21-00	3,517.67	3,507.46	3,912.58
Retirement Contributions	22-00	10,883.71	11,072.40	12,183.63
Insurance	23-00	102.90	102.90	114.64
Medical Insurance	23-04	8,971.90	8,971.90	8,971.90
Dental Insurance	23-07	265.57	265.57	265.57
Vision Insurance	23-08	51.27	51.27	51.27
Long term Disability	23-09	115.54	117.53	129.44
Workers Comp	24-00	1,301.31	1,297.53	1,447.40
Total FY26 Cost		71,192.45	71,235.63	78,221.26

Total Average Cost per Officer 96,367.63

illiard FY26	James Salley		Raven Bell	
	FY25	FY26	FY25	FY26
57,357.14	58,302.40	63,134.57	53,601.60	58,045.43
3,774.98	5,058.54	5,058.54	4,015.69	4,015.69
4,676.61	4,847.11	5,216.77	4,407.72	4,747.68
14,763.20	16,244.84	16,244.84	14,991.85	14,991.85
137.20	152.85	152.85	139.85	139.85
11,962.53	11,962.53	11,962.53	11,962.53	11,962.53
354.09	354.09	354.09	354.09	354.09
68.36	68.36	68.36	68.36	68.36
156.70	172.59	172.59	158.63	158.63
1,730.04	1,793.11	1,929.87	1,630.57	1,756.33
94,980.85	98,956.43	104,295.01	91,330.89	96,240.44

R. Bell
13,400.40
1,003.92
1,101.93
3,747.96
34.96
2,990.63
88.52
17.09
39.66
407.64
22,832.72

R. Bell
43,534.07
3,011.77
3,560.76
11,243.89
104.89
8,971.90
265.57
51.27
118.97
1,317.25
72,180.33

CITY COUNCIL AGENDA ITEM

Memo Date: May 15, 2025
Agenda Date: May 27, 2025
File ID: 2025-467
Prepared By: Breanna Earley, Assistant City Clerk
Through: Stockton Whitten, City Manager
Requested Action: Approve the travel request for Deputy Mayor Weeks to the IEMO I conference on June 6th through the 7th.

BACKGROUND:

Deputy Mayor Weeks intends to travel to Boca Raton on June 6th through the 7th to attend a training class, IEMO I, for newly elected officials.

The Institute for Elected Officials (IEMO) conference offers valuable educational opportunities for municipal leaders, with a range of courses designed for both new and seasoned Council members. The IEMO I conference offers foundational training for new members.

The estimated total expense for this travel is \$1,011 which includes hotel stay and accommodations.

PRIORITY AREA CONNECTION:

Community Outreach and Engagement
Organizational Effectiveness

BUDGETARY IMPACT:

Budgeted? Yes/No

Source/Use of Funds

<u>Account Number</u>	<u>Amount</u>
001-1000-511.40-00	\$686.00 (budgeted)
001-1100-511.55-00	\$325.00 (budgeted)

PREVIOUS ACTION:

N/A

RECOMMENDED MOTION:

Approve the travel request for Deputy Mayor Weeks to the IEMO I conference on June 6th through the 7th.

CITY COUNCIL AGENDA ITEM

Memo Date: May 20, 2025
Agenda Date: May 27, 2025
File ID: 2025-484
Prepared By: Robert Beach, Chief Technology Officer
Through:
Requested Action: Accept the Award of the Florida Local Government Cybersecurity Grant (Round 2), a State of Florida funded grant, for cybersecurity services and platforms and authorize the City Manager to execute the grant agreement.

BACKGROUND:

PRIORITY AREA CONNECTION:

Organizational Effectiveness

BUDGETARY IMPACT:

N/A

PREVIOUS ACTION:

RECOMMENDED MOTION:

Accept the Award of the Florida Local Government Cybersecurity Grant (Round 2), a State of Florida funded grant, for cybersecurity services and platforms and authorize the City Manager to execute the grant agreement.

CITY COUNCIL AGENDA ITEM

Memo Date: April 23, 2025
Agenda Date: May 27, 2025
File ID: 2025-383
Prepared By: Alexis Crespo, Planning Consultant, RVi
Through: Stockton Whitten, City Manager
Requested Action: Staff and the Planning and Zoning Board respectfully request that the City Council consider approval of a Preliminary Planned Unit Development (PUD), consistent with Appendix A, Zoning, Article XI, Section 17 of the City of Cocoa Code of Ordinances, for a 230-lot single-family residential subdivision on approximately 76.21 acres located at the northwest corner of Pluckebaum Road and Clearlake Road in the City of Cocoa.

BACKGROUND:

The Applicant, Lennar Homes, LLC, on behalf of the property owners, Ongoing Investments, Inc. and Breyer Brothers Property Development, LLC, is requesting a Preliminary Planned Unit Development (PUD) approval for a +/- 76.21-acre single-family residential project located on the northwest corner of Pluckebaum Road and Clearlake Road. The Subject Property consists of the two (2) parcel ID numbers 24-36-31-00-756 and 24-36-31-00-752. The Subject Property is currently zoned RU-1-7 (Single-Family Residential District) with an underlying Future Land Use (FLU) category of VLDR (Very Low Density Residential), which allows for a maximum of 4 dwelling units per acre.

Future Land Use Designation:	Current: Very Low Density Residential
Zoning District:	Current: RU-1-7 (Single-Family Residential District)
Existing Land Use:	Vacant
Council District:	District 4 – Councilmember Goins
Legal Ad Date:	April 22, 2025

OVERVIEW OF SURROUNDING AREA:

	Future Land Use Designations	Zoning Districts	Land Uses
North	LDR, Low Density Residential MDR, Medium Density Residential	RU-2-15 Multiple-Family Dwelling District	Vacant land, single-family homes, and apartments
South	City of Rockledge Jurisdiction	City of Rockledge Jurisdiction	Single-family homes
East	City of Rockledge Jurisdiction	City of Rockledge Jurisdiction	Park owned by City of Rockledge

West	City of Rockledge Jurisdiction	City of Rockledge Jurisdiction	Vacant
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Project Description:

The Subject Property is located at the northwest corner of Pluckebaum Road and Clearlake Road. The site is currently vacant and consists of +/- 76.21 acres of land, the applicant is proposing a 230-lot, single-family detached subdivision with multiple open space tracts, an amenity area, wetland preserve with walking trails, and associated infrastructure. See attached Preliminary PUD Site Plan, Exhibit A.

The project proposes two (2) different single family detached lot types: 40-foot wide and 50-foot wide. Of the 230-lots, 154 lots are 40-foot wide, and 76 lots are 50-foot wide. Elevations of the proposed dwelling types are attached as Exhibit B. Staff has worked with the Applicant on the inclusion of additional building features on several of the models as noted in the Exhibit.

It is noted that the site contains significant acreage comprised of jurisdictional wetlands, with 42.8 acres of proposed wetland impacts. The Applicant has provided data and analysis demonstrating the wetlands are low quality due to high levels of exotic vegetation infestation. Thus, the proposed development of the site will serve to enhance the preserved wetlands through removal of exotic vegetation and restore portions of the site to higher quality habitat for protected species. Additionally, wetland mitigation credits will be purchased from the Lake Washington Mitigation Bank, which is located within the Core Foraging Area (CFA) and approximately 12,000 feet east of an established wood stork colony.

The Applicant provided preliminary information relating to on-site floodplains and stormwater design for the project. As this is an application for Preliminary PUD, and not Final PUD, Staff has reviewed the data provided and proffers conditions to ensure detailed stormwater analysis is provided at the time of Final PUD to ensure no adverse, off-site impacts.

REZONING ANALYSIS

The Planning & Zoning Division staff have addressed the criteria contained in Appendix A of the City of Cocoa, Article XI, Section 17(1)(2)(e) as follows:

1. Degree of departure of proposed planned unit development from surrounding areas in terms of character and density.

Staff Finding: To the north and northeast of the Project are the Lakeside Palms West and Lakeside Palms East single-family residential communities. To the northwest is the Cocoa Grand multi-family residential community and to the south of the Project is the Harvest Landing single-family residential community in the City of Rockledge. The existing Lakeside Palms West and Harvest Landing subdivisions generally have lot widths of 50 feet. The proposed PUD does not

create a departure with the existing residential development patterns for this area as established by these communities. With regard to density, the Project will have a density of approximately 3.02 dwelling units per acre, which is well below the maximum 4 dwelling units per acre in the Very Low Density Residential future land use category.

2. Compatibility within the planned unit development and relationship with surrounding neighborhoods.

Staff Finding: This application is requesting a Preliminary PUD to allow for the development of a master planned residential community of single-family dwelling units consistent with the Very Low Density Residential category at three dwelling units per acre. The change in use from the previous agricultural operation is expected to bring the use of the Property into closer alignment with the nature of the surrounding residential communities. The proposed development will remain in harmony with the existing or any future use of the adjacent property through the thoughtful siting of homes, positioning of lakes, and landscape buffers.

The single-family detached dwelling type and proposed density are compatible with the surrounding neighborhoods.

3. Prevention of erosion and degrading of surrounding area.

Staff Finding: The proposed use and design attempts to minimize environmental impacts, including, but not limited to, water, air, stormwater management, wildlife, vegetation, wetlands and the natural functioning of the environment. As noted above, the site contains significant acreage comprised of jurisdictional wetlands, with 42.8 acres of proposed wetland impacts. The Applicant has provided data and analysis demonstrating the wetlands are low quality due to high levels of exotic vegetation infestation. Thus, the proposed development of the site can serve to enhance the preserved wetlands through removal of exotic vegetation and restore portions of the site to higher quality habitat for protected species. Additionally, wetland mitigation credits will be purchased from the Lake Washington Mitigation Bank for the proposed impacts. Stormwater and flood control is discussed below in Finding 4.

4. Provision for future public education and recreation facilities, transportation, water supply, sewage disposal, surface drainage, flood control and soil conservation as shown in the preliminary development plan.

Staff Finding: The development will offset impacts to services and infrastructure via payment of impact fees. The Preliminary PUD site plan demonstrates on-site recreational facilities satisfying the minimum open space requirements under the City Code and stormwater management to provide flood control.

The City's Public Works Department offers the following analysis of the proposed stormwater design as it relates to this criterion, which has been incorporated into

the Staff recommended conditions of approval:

As discussed with City staff and the applicant during a virtual meeting held on April 17, 2025, the proposed compensatory flood storage described in the memorandum "Preserve at Pluckebaum – Compensatory Flood Storage Summary", by B.S.E. Consultants, Inc., March 25, 2025 does not meet the City of Cocoa's compensatory storage requirement. First, the compensatory flood volume should have an unrestricted hydraulic connection to the flood source, which in this case, per the FEMA Flood Insurance Study, is the St. John's River.

Second, the proposed volume must be dedicated to flood compensation. The proposed stormwater ponds would not have an unrestricted hydraulic connection to the flood source and the volume that would be dedicated to stormwater treatment and attenuation versus flood compensation was not specified. As such, the proposed stormwater ponds are not considered flood compensation.

Based on discussion with City staff and prior floodplain management decisions at other developments, the applicant may, in lieu of flood compensation, demonstrate the proposed project would not increase offsite flooding by performing a detailed study of the surrounding watershed. The "West Cocoa Watershed Evaluation", by Pegasus Engineering, 2014 includes a hydrologic and hydraulic model that may be referenced and adapted for the purpose of the flood study. If this previous study model is used, the applicant should make updates to the previous study model where outdated, incorrect, or insufficient hydrologic or hydraulic parameterization may impact model results near the proposed development. The applicant should also develop a proposed conditions version of the watershed model by incorporating the proposed development into the existing conditions model. The existing and proposed model 100-year storm event peak stages should be compared to demonstrate reasonable assurance that the proposed development would not increase flood stages in the surrounding watershed.

Additional staff analysis will be performed at the Final PUD stage to ensure compliance with the conditions of approval when the stormwater and flood storage system has been fully designed.

5. The nature, intent and compatibility of common space, including the proposed method for the maintenance and conservation of said common space.

Staff Finding: Pursuant to City Code Section 17(G)(2), properties developed as a PUD are required to maintain a minimum of 20% common space. For the Subject Property of 76.21 acres (less the wetland areas) a minimum of 14.39 acres of common space are required. The proposed development will provide 14.39 acres of open space or 20% of the gross site area including the primary recreation areas, water management tracts, perimeter buffers, passive recreation areas, and open spaces inside the PUD per the Open Space Exhibit, attached as Exhibit C.

The Homeowner's association and/or CDD will be responsible for maintenance

and conservation of the common open space.

A condition of approval is proposed by Staff to ensure the Final PUD plans demonstrate an open space calculation consistent with the Zoning Ordinance relating to calculations around manmade water bodies.

6. The feasibility and compatibility of the specified stages contained in the preliminary development plan to exist as an independent development.

Staff Finding: The proposed development will be constructed in a single phase. The developer will extend the necessary infrastructure to serve the development. Off-site improvements triggered by the project will be reviewed at the time of Final PUD.

7. The availability and adequacy of primary streets and thoroughfares to support traffic to be generated within the proposed planned unit development.

Staff Finding: Access to the project will be provided via two (2) full-access driveways: one (1) on Pluckebaum Road and one (1) on Clearlake Road. A Traffic Study was submitted with the application demonstrating sufficiency capacity and Level of Service on impacted roadways based on the trips generated by the project.

The proposed access has been designed to minimize hazards to pedestrians or other vehicles by creating dedicated access points and internal street networks. A condition of approval requires the construction of sidewalks along both public street frontages to connect to the community's internal sidewalk system.

As part of the development of this community, the applicant will be making improvements to the drainage ditch along the north side of Pluckebaum Road by shaping the ditch and softening the back slope; this will be accomplished via a Right-of-Way Agreement with Brevard County for drainage and landscaping.

8. The availability and adequacy of water and sewer service to support the proposed planned unit development.

Staff Finding: The City of Cocoa has both existing potable water and reuse mains that the project will connect to, while the City of Rockledge has existing sanitary sewer facilities within the proximity of the project.

9. The benefits within the proposed development and to the general public to justify the requested departure from standard land use requirements inherent to a planned unit development classification.

Staff Finding: The change in use from the previous agricultural operation is expected to bring the use of the property into closer alignment with the nature of

the surrounding residential communities. The proposed development will remain in harmony with the existing or any future use of the adjacent property through the thoughtful siting of homes, positioning of lakes, preserves and landscape buffers.

The community is designed to insulate the proposed residences from adjacent properties and vice-versa to minimize the potential for any impact of one community on another. Single-family residential communities tend to be one of the least impactful uses, especially when located near other single-family neighborhoods, as they do not tend to result in discordant activities or produce noise, vibrations, smoke, hazardous odors, radiation or any other potential nuisance that might result from some commercial, industrial, or agricultural uses.

The proposed rezoning to a PUD, rather than development of a traditional single-family subdivision in the RU-1-7 zoning district, encourages the preservation of higher quality wetlands and the provision of recreational amenities for the future residents.

10. The conformity and compatibility of the planned unit development with any adopted development plan of the city.

Staff Finding: There are no specific adopted development plans for this site. The Preliminary PUD conforms to the Comprehensive Plan and Zoning Ordinance.

11. The conformity and compatibility of the proposed common space, primary residential and nonresidential uses within the proposed planned unit development.

Staff Finding: As further detailed on the Preliminary Development Plan, the development will provide 20% open space through recreational areas, amenitized lakes and trails.

The large lake system will be stocked with native fish species to promote fishing activities for both children and adults. A fishing dock is also proposed on the lake near the community entrance off of Pluckebaum Road.

The community will also have a tot lot and a separate pool with cabana for the residents and guests. Walking trails are shown on the Preliminary PUD site plan throughout the open space areas of the project.

COMPREHENSIVE PLAN CONSISTENCY

The proposed Preliminary PUD is consistent with the allowable uses under the “Very Low Density Residential” Future Land Use per the City of Cocoa Comprehensive Plan as noted in Figure FLU-1, and FLU Policy 1.1.2.3.

The PUD complies with FLU Policy 1.1.5.1 relating to neighborhood protection via the

proposed layout, perimeter buffers and density consistent with the surrounding neighborhoods.

The PUD complies with Transportation Element Objective 2.1.2 as the application provides a traffic study demonstrating transportation concurrency and available roadway capacity.

Through mitigation of environmental impacts off-site, as well as exotic removal and enhancement of the remaining on-site preserves, the application is consistent with Conservation Element Objective 12.1.6 and its sub-policies relating to protection of native vegetation communities, and Objective 12.1.5 and supportive policies relating to protection of endangered species. Objective 12.1.5, Policy 12.1.5.4, and Policy 12.1.6.6., generally prohibit development proposing to destroy natural vegetative communities known to provide habitat to listed, endangered species except where the developer has submitted a management plan which minimizes adverse effects on the species to the greatest extent possible. The applicant has identified that the site is currently used by wood stork, an endangered species. However, the applicant's ecological report prepared by Modica and Associates provides that the project site provides very limited suitable foraging habitat for wood storks in the western portion of the site and that the two wetland areas most suitable with an adequate hydroperiod to support aquatic prey are being preserved.

Through staff's proposed conditions the Final PUD site plan must demonstrate full details on the stormwater management system for compliance with Objective 12.1.9 and its sub-policies.

CONCURRENCY MANAGEMENT/ADEQUATE PUBLIC FACILITIES

Section 15-22 of the City Code provides for a concurrency management system to ensure public facilities and services needed to support development are available concurrent with the impacts of such development and that development orders and development permits are not issued in a manner that will not result in a reduction in the levels of service below the adopted level of service standards adopted by the City for public facilities and services, as contained in the City's adopted Comprehensive Plan.

Consistent with the requirements of Article IV (Concurrency Management System), Chapter 15 of the Code of the City of Cocoa, the applicant/developer will be required to submit a Final PUD application in addition to a final application for concurrency review prior to issuance of any City of Cocoa permits. If capacity issues relating to any public facilities or services regulated by the City of Cocoa adopted Comprehensive Plan is identified, necessary and appropriate mitigation will be required to be addressed prior to approval of the final PUD.

PROPOSED CONDITIONS:

Staff recommends the following conditions of approval to ensure consistency with the

Zoning Ordinance and Comprehensive Plan:

1. The Final PUD Site Plan must be in substantial compliance with the Preliminary PUD Site Plan dated and attached as Exhibit A.
2. Elevations of dwelling units must comply with Exhibit B. Adjacent lots shall not have the same elevation and color scheme as the dwelling unit on the directly abutting lot(s).
3. Final Site Plans must depict open space calculations in accordance with Zoning Ordinance, Article XI, Section 17(G)(2) in substantial compliance with Exhibit C. Trail areas around manmade lakes are not permitted to include acreage 50 feet into the waterbody in the calculation.
4. A 5-foot-wide sidewalk must be installed on the Clearlake Road frontage and reviewed at the time of Final PUD to ensure no impacts to drainage conveyances.
5. A drainage easement on the western boundary of the PUD shall be dedicated to the public. The width of the drainage shall be determined at the time of Final PUD.
6. If flood compensation is not provided as part of the Final PUD design, the applicant must demonstrate the proposed project will not increase offsite flooding by performing a detailed study of the surrounding watershed. The detailed study must be based upon a methodology approved by the Public Works Department.

PRIORITY AREA CONNECTION:

Economic and Community Development

BUDGETARY IMPACT:

N/A

PREVIOUS ACTION:

The Planning & Zoning Board heard the petition during their May 7, 2025 and unanimously recommended APPROVAL WITH CONDITIONS, noting Conditions 4 and 5 would be modified by Staff to address clarifications from the Applicant. No members of the public spoke at the hearing.

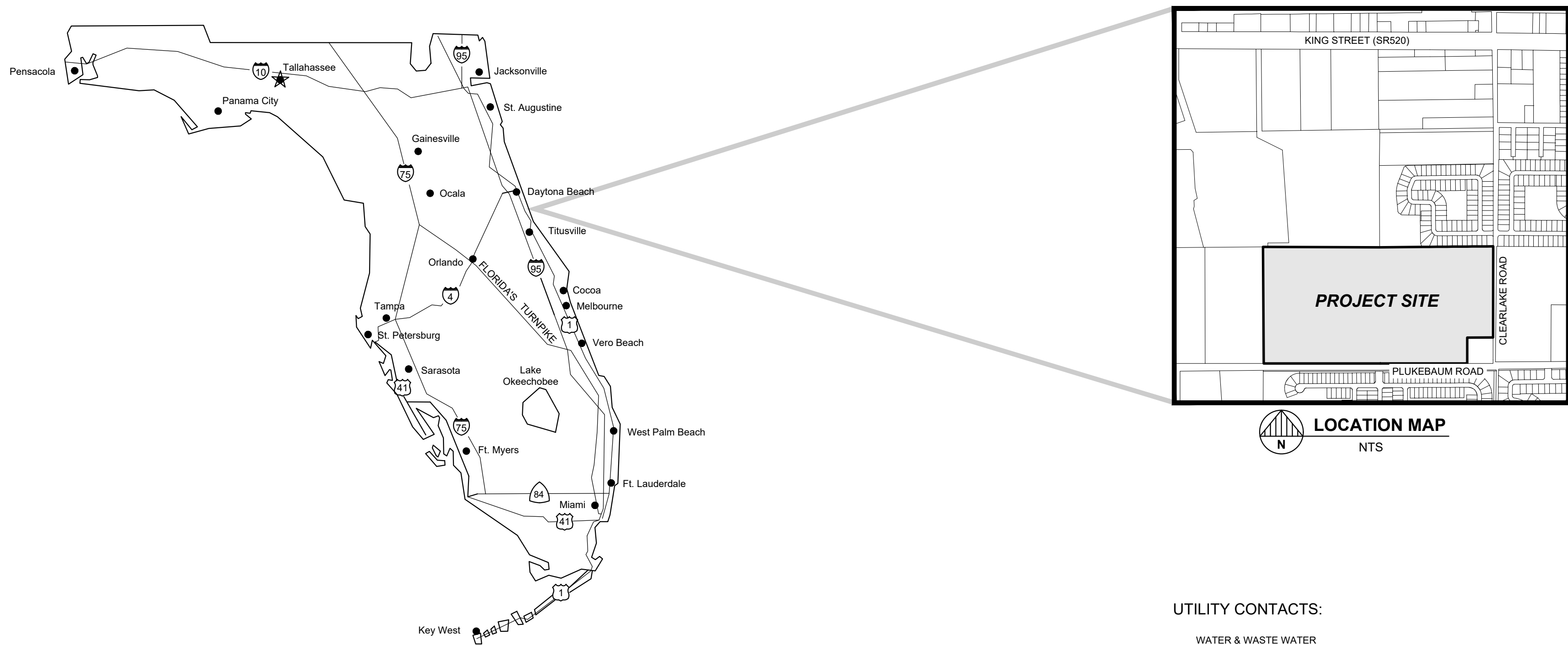
RECOMMENDED MOTION:

Staff and the Planning and Zoning Board respectfully request that the City Council consider approval of a Preliminary Planned Unit Development (PUD), consistent with Appendix A, Zoning, Article XI, Section 17 of the City of Cocoa Code of Ordinances, for a 230-lot single-family residential subdivision on approximately 76.21 acres located at the northwest corner of Pluckebaum Road and Clearlake Road in the City of Cocoa.

PRESERVE AT PLUCKEBAUM

PRELIMINARY DEVELOPMENT PLAN (PDP) SECTION 31, TOWNSHIP T24S, RANGE 36E CITY OF COCOA, BREVARD COUNTY, FLORIDA

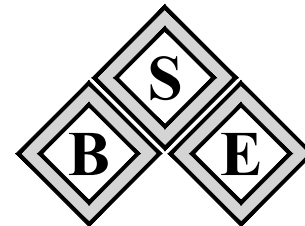
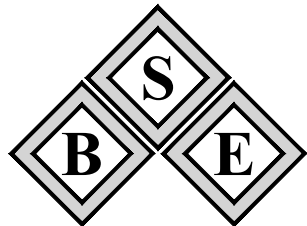
SHEET LIST TABLE		
SHEET NUMBER	DRAWING NUMBER	SHEET TITLE
1	1163820_203_001	COVER SHEET
2	1163820_203_002	AERIAL EXHIBIT
3	1163820_203_003	EXISTING CONDITION PLAN
4	1163820_203_004	PRELIMINART DEVELOPMENT PLAN
5	1163820_203_005	OPEN SPACE PLAN



LENNAR HOMES
8895 N MILITARY TRAIL
PALM BEACH GARDENS, FL 33410
561-685-7300

- PREPARED BY -

B.S.E. CONSULTANTS, INC.
CONSULTING - ENGINEERING - LAND SURVEYING
312 SOUTH HARBOR CITY BOULEVARD, SUITE 4 MELBOURNE, FLORIDA 32901
PHONE: (321) 725-3674 / FAX: (321) 723-1159
CERTIFICATE OF PROFESSIONAL ENGINEERS BUSINESS AUTHORIZATION: 4905

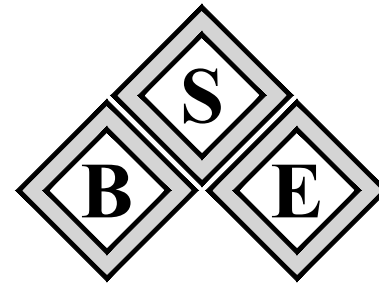


UTILITY CONTACTS:

WATER & WASTE WATER
CITY OF COCOA UTILITIES
351 SHEARER BLVD.
COCOA, FL 32922
(321) 433-8400

ELECTRIC
FLORIDA POWER & LIGHT
DONNA SMITH - PROJECT MANAGER
270 PIONEER RD
MERRITT ISLAND, FL 32953
(321) 455-6120

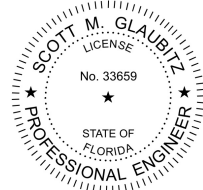
NATURAL GAS
FLORIDA CITY GAS
4045 NW 97TH AVE
DORAL, FL 33178
(800) 933-7546



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CERTIFICATE OF PROFESSIONAL ENGINEERS
BUSINESS AUTHORIZATION: 4905
CERTIFICATE OF LAND SURVEYING
BUSINESS AUTHORIZATION: LB0004905

SCOTT M. GLAUBITZ, P.E. & P.L.S.
STATE OF FLORIDA, No. 33659 No. 4151



Digitally signed by
Scott M Glaubitz
Date: 2025.04.22
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HASSAN A. KAMAL, P.E.
STATE OF FLORIDA, No. 41951

VERTICAL DATUM: NAVD 88

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DATE: 04/21/2025
DESIGN/DRAWN: ALS/VDP

PROJECT TITLE

**PRESERVE AT
PLUCKEBAUM**

SHEET TITLE

COVER SHEET

PROJECT NO.

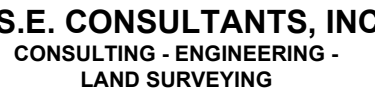
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1 of 5



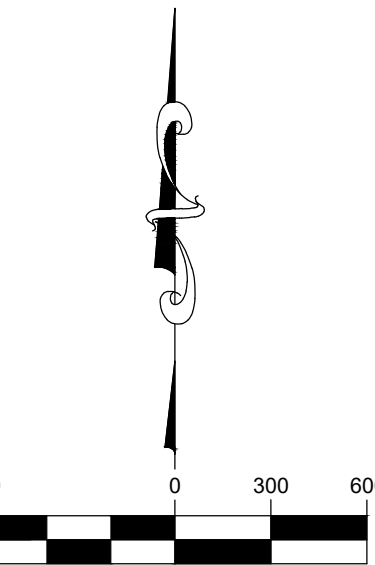
22 SOUTH HARBOR CITY BOULEVARD, SUITE 4
MELBOURNE, FLORIDA 32901
PHONE: (321) 725-3674 FAX: (321) 723-1159

CERTIFICATE OF PROFESSIONAL ENGINEERS
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Y OF COCOA
Y LIMITS



VERTICAL DATUM: NAVD 88

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DATE:	04/21/20
SIGN/DRAWN:	ALS/VD

PROJECT TITLE

**PRESERVE AT
PLUCKEBAUM**

SHEET TITLE

AERIAL EXHIBIT

PROJECT NO. _____

11638.20

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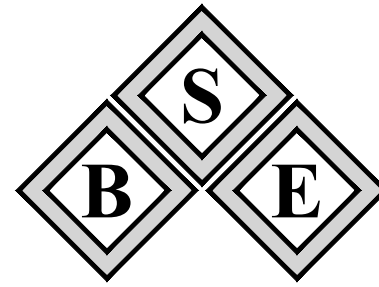
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of 5

SYMBOLS SHOWN ARE GRAPHIC IN NATURE; DUE TO SCALE, ALL DESIGN ELEMENTS ARE NOT NECESSARILY SHOWN ON PLAN VIEWS. THE CONTRACTOR SHALL ALSO REFER TO SPECIFICATION AND DETAIL SHEETS AS WELL AS THE COMPLETE PLAN S

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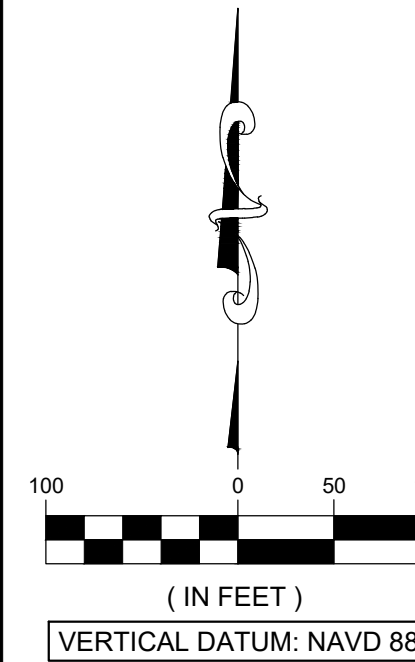


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PHONE: (321) 725-2674 FAX: (321) 723-1159
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BUSINESS AUTHORIZATION: 4305
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STATE OF FLORIDA, No. 33659 No. 4151

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DATE: 04/21/2025
DESIGN/DRAWN: ALS/VDP

PROJECT TITLE

**PRESERVE AT
PLUCKEBAUM**

SHEET TITLE

**EXISTING
CONDITION PLAN**

PROJECT NO.

11638.20

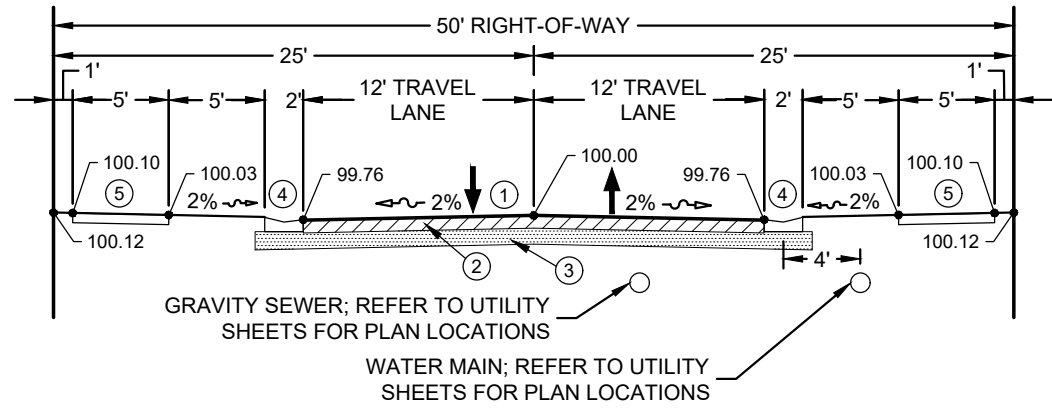
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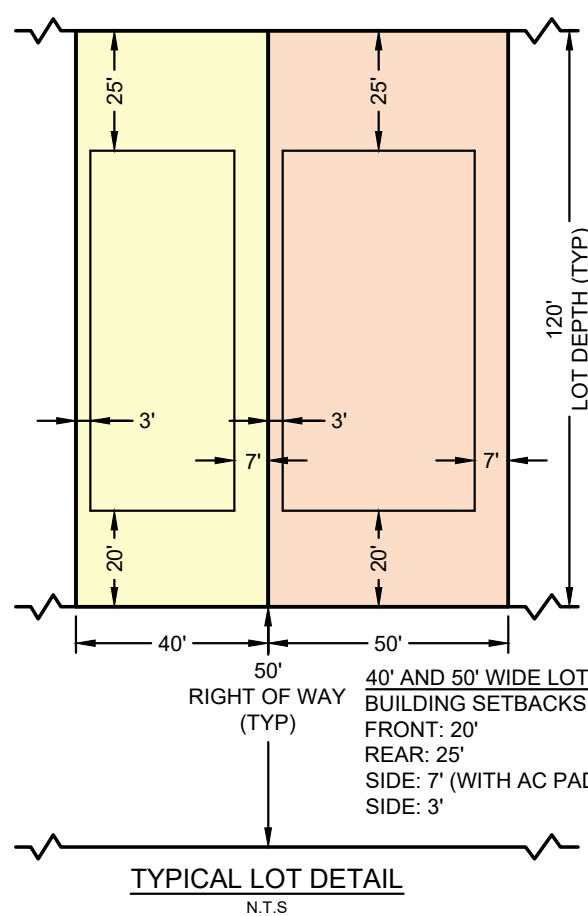


KEY

- 1-1/2" TYPE SP-12.5 ASPHALTIC CONCRETE
- 8" BASE WITH FDOT APPROVED PRIME COAT
 - LIMEROCK, L.B.R. 100 MIN.
 - CEMENTED COQUINA SHELL, F.D.O.T. APPROVED, L.B.R. 100 MIN., COMPACTED TO 98% MAX. DENSITY PER AASHTO T-180
- 10" STABILIZED SUB-GRADE, L.B.R. 50 MIN., COMPACTED TO 98% MAX. DENSITY PER AASHTO T-180 (EXTEND 6" BEYOND CURB)
- MIAMI CURB - 2' WIDE
- CONCRETE SIDEWALK; 1.5% DESIGN CROSS SLOPE, 2% MAX.

NOTE: INSTALL 2' WIDE STRIP OF SOD BEHIND ALL CURB; SEED AND MULCH REMAINING DISTURBED AREAS WITHIN THE RIGHT-OF-WAY

50' WIDE RIGHT-OF-WAY AND ROAD SECTION DETAIL
N.T.S.



PARCEL ID	TRACT USE	AREA (SQFT)	AREA (ACRES)	OWNER AND MAINTENANCE
TRACT A	STORM WATER, OPEN SPACE, LANDSCAPING, PRESERVATION	901,956	20.71	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT C	OPEN SPACE, LANDSCAPING	64,785	1.49	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT D	OPEN SPACE, LANDSCAPING	360,360	8.27	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT E	OPEN SPACE, LANDSCAPING, RECREATION, TOT LOT	38,803	0.89	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT F	OPEN SPACE, LANDSCAPING, DRAINAGE	3,600	0.08	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT G	OPEN SPACE, LANDSCAPING, DRAINAGE	3,600	0.08	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT H	STORM WATER, OPEN SPACE, LANDSCAPING, DRAINAGE	164,522	3.78	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT I	OPEN SPACE, LANDSCAPING, DRAINAGE	1,069	0.02	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT J	OPEN SPACE, LANDSCAPING, DRAINAGE	1,515	0.03	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT K	STORM WATER, OPEN SPACE, LANDSCAPING, DRAINAGE	56,704	1.30	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT Y	LIFT STATION, LANDSCAPING	5,173	0.12	CITY OF COCOA
TRACT Z	PRIVATE RIGHT-OF-WAY	395,577	9.08	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TOTAL :		1,997,664	45.85	

GENERAL NOTES:

- ACCESSORY STRUCTURE SETBACKS DEFER TO THE CITY OF COCOA LAND DEVELOPMENT CODE.
- FIRE HYDRANTS SHALL BE PLACED AT EACH ENTRANCE AND EVERY 500' THEREAFTER.
- THE AHJ SHALL HAVE THE AUTHORITY TO REQUIRE FIRE DEPARTMENT ACCESS TO BE PROVIDED TO GATED SUBDIVISIONS OR DEPARTMENTS THOUGH THE USE OF AN APPROVED DEVICE OR SYSTEM. ALL MOTORIZED GATES SHALL INCLUDE A "CLICK" TO ENTER SYSTEM OR A SIREN OPERATED SWITCH AND KNOX KEY SWITCH BACKUP. ALL MANUAL GATES SHALL HAVE A KNOX PADLOCK. GATES SHALL HAVE A MINIMUM CLEAR WIDTH OF 14 FEET.

FLOOD STORAGE CALCULATIONS:

(REFER TO FLOOD STORAGE MEMO DATED MARCH 25, 2025)

100 YEAR PRE- DEVELOPMENT FLOOD STORAGE REQUIRED:

±118.24 AC-FT

100 YEAR POST-DEVELOPMENT FLOOD STORAGE PROVIDED AS FOLLOWS:

LAKE 1 (INCLUDES SOUTH WETLANDS):	49.74 AC-FT
LAKE2:	11.49 AC-FT
LAKE 3:	3.20 AC-FT
LAKE 4:	19.55 AC-FT
NORTH WETLAND:	10.68 AC-FT
TOTAL:	94.66 AC-FT

GENERAL STATEMENT

THE SITE IS APPROXIMATELY 76.21 ACRES AND IS LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF PLUCKEBAUM ROAD AND CLEARLAKE ROAD, IN THE CITY OF COCOA'S JURISDICTION. THE PROPERTY HAS A CURRENT ZONING OF RU-1-7 ON THE WEST HALF, AND NO ZONING DESIGNATION ON THE EAST HALF. THE PROJECT PROPOSES TO REZONE THE ENTIRE PROPERTY TO PUD. THE PROJECT WILL BE DEVELOPED AS A ±222 LOT SUBDIVISION CONSISTING OF SINGLE-FAMILY HOMES. LOTS WILL BE A MIX OF 40 AND 50 FEET WIDE BY 120 FEET DEEP. VEHICULAR ACCESS WILL BE VIA TWO PROPOSED ENTRANCES, ONE OFF CLEARLAKE ROAD AND ONE OFF PLUCKEBAUM ROAD. THE SUBDIVISION WILL BE SERVED WATER FROM THE CITY OF COCOA AND SANITARY SEWER FROM THE CITY OF ROCKLEDGE. TWO EXISTING WETLAND AREAS WILL BE PRESERVED. AMENITIES INCLUDED ARE AN AMENITY CENTER, TOT LOT, STOCKED FISHING LAKES, A FISHING DOCK, AND WETLAND OBSERVATION AREAS WITH BENCHES. THE STREETS AND STORMWATER SYSTEM WILL BE CONSTRUCTED PER CITY STANDARDS.

SITE CHARACTERISTICS STATEMENT

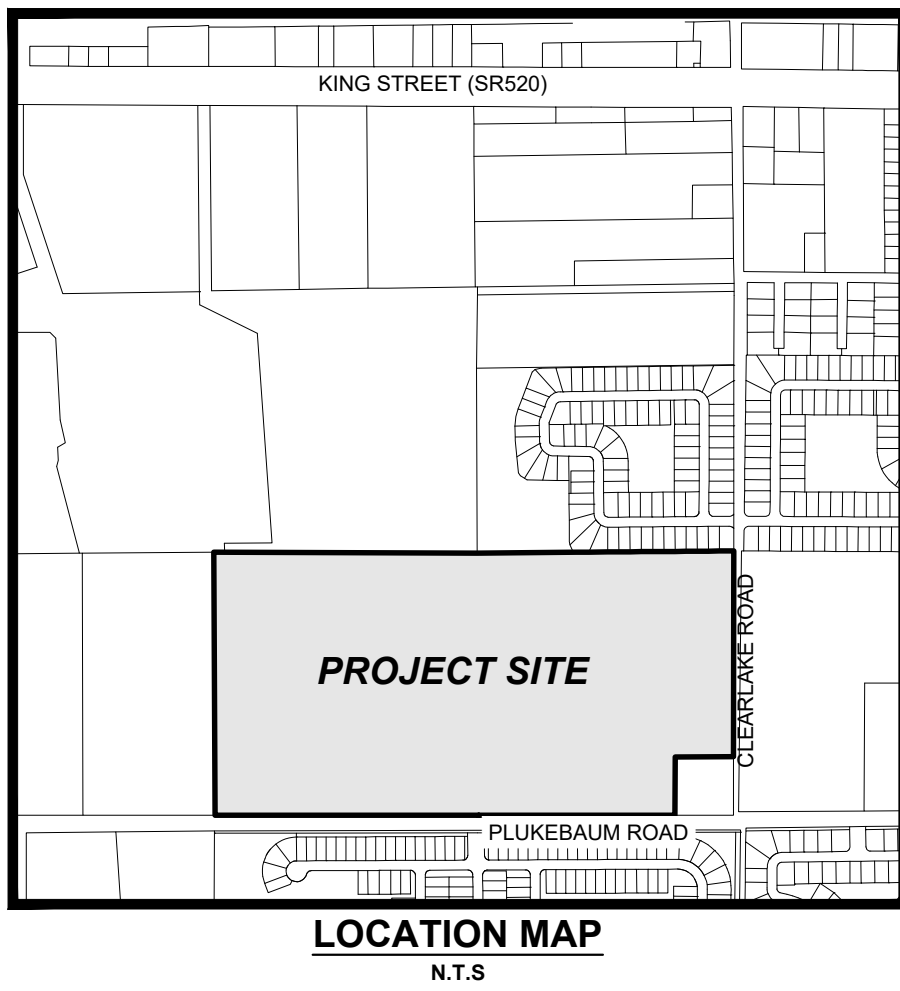
THE SITE IN ITS EXISTING CONDITION IS UNDEVELOPED. THE SITE IS COVERED IN VEGETATION VARYING FROM THICK GRASS TO BRUSH TO TREES OF VARIOUS SIZE. MULTIPLE WETLAND AREAS EXIST ONSITE. PLEASE REFER TO THE EXISTING CONDITIONS PLAN.

COMPATIBILITY STATEMENT

TO THE NORTHWEST OF THE PROPOSED DEVELOPMENT IS COCOA GRAND, A MULTI-FAMILY APARTMENT COMPLEX. TO THE NORTHEAST, IS LAKESIDE PALMS, A SINGLE-FAMILY RESIDENTIAL SUBDIVISION. LOCATED TO THE EAST IS A LARGE PARK OWNED BY THE CITY OF ROCKLEDGE. TO THE SOUTH OF THE PROPERTY IS HARVEST LANDING, A SINGLE-FAMILY RESIDENTIAL SUBDIVISION. TO THE WEST, IS A 20-ACRE HOMESTEAD. THE PROJECT PROPOSES A 25-FOOT BUFFER AROUND THE SITE, ALLOWING FOR A GRADUAL ELEVATION TRANSITION BACK DOWN TO NATURAL GRADE.

DRAINAGE STATEMENT

THE PROJECT PROPOSES FOUR (4) INTERCONNECTED, WET DETENTION PONDS THAT WILL PROVIDE STORMWATER TREATMENT AND PEAK ATTENUATION. THESE PONDS WILL DISCHARGE VIA A SINGLE OUTFALL AT THE SOUTHWEST CORNER OF THE SITE TO THE EXISTING DITCH THAT RUNS ALONG PLUCKEBAUM ROAD.



SURVEYOR AND ENGINEER
B.S.E. CONSULTANTS, INC.
312 SOUTH HARBOR CITY BOULEVARD
SUITE 4
MELBOURNE, FLORIDA 32901
(321) 725-3674

APPLICANT
LENNAR HOMES
8895 N. MILITARY TRAIL
PALM BEACH GARDENS, FL 33410
561-685-7300

SITE DEVELOPMENT NOTES
PRELIMINARY DEVELOPMENT PLAN
EXISTING LAND USE: VLDR (VERY LOW DENSITY RESIDENTIAL)
FUTURE LAND USE : VLDR (VERY LOW DENSITY RESIDENTIAL)
CURRENT ZONING : RU-1-7 SINGLE FAMILY (CITY OF COCOA)
PROPOSED ZONING : PUD (CITY OF COCOA)

TAX ID NUMBER	TAX ACCOUNT NUMBER
24-36-31-00-752	2424013
24-36-31-00-756	2459107

TOTAL ACREAGE : 76.21 ACRES

SINGLE FAMILY LOTS : 230
DENSITY PERMITTED : UP TO 4 UNITS PER ACRE BY FUTURE LAND USE
DENSITY : 230/76.21 = 3.01 UNITS/ACRE

PROPOSED NO. OF PHASES: SINGLE

SINGLE FAMILY DETACHED
AVERAGE LOT SIZE : ±4,800 SQ FT
MINIMUM LIVING AREA : 1,200 SQ FT
MAXIMUM IMPERVIOUS AREA : 3,360 SQ FT (70%)

SINGLE FAMILY SETBACKS:
FRONT : 20 FEET
BUILDING SEPARATION : 10 FEET
SIDE (CORNER) : 20 FEET
REAR : 25 FEET

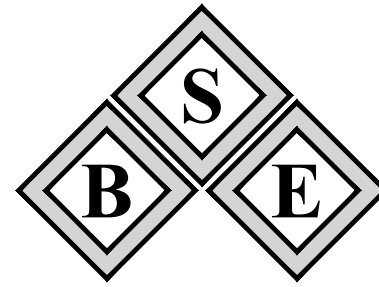
*** BUILDING SETBACKS MUST BE VERIFIED WITH THE CITY OF COCOA PRIOR TO CONSTRUCTION. ***

PROPOSED BUILDING TYPE : DETACHED SINGLE FAMILY (1 AND 2 STORIES)

PROPOSED BUILDING HEIGHT: 24 FEET MAXIMUM
-BUILDING HEIGHT IS MEASURED FROM THE ESTABLISHED AVERAGE SIDEWALK, STREET GRADE OR FINISHED GRADE AT THE BUILDING LINE, WHATEVER IS HIGHEST. TO (A) THE HIGHEST POINT OF A FLAT ROOF, (B) THE DECK LINE OF A MANSARD ROOF, OR (C) THE PEAK OF A GABLE, HIP OR GAMBRELL ROOF.

DEVELOPMENT SCHEDULE:	
Q2 2025:	BREAK GROUND
Q2 2026:	INFRASTRUCTURE COMPLETE
Q2 2026:	COMMENCE HOME CONSTRUCTION

PARKING
SINGLE FAMILY HOME:
2 CAR GARAGE PLUS 2 SPACES PER DRIVEWAY PER LOT.
AMENITY:
REQUIRED: 1 SPACE PER 500 SF (1,252 / 500 = 3 SPACES)
PROPOSED: 4 SPACES (3 STANDARD + 1 ADA)

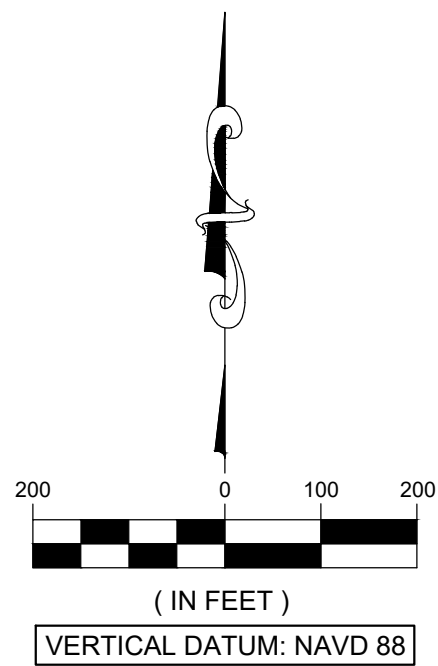


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DATE: 04/21/2025
DESIGN/DRAWN: ALS/VDP

PROJECT TITLE

PRESERVE AT
PLUCKEBAUM

SHEET TITLE

PRELIMINART
DEVELOPMENT
PLAN

PROJECT NO.

11638.20

DRAWING NO.

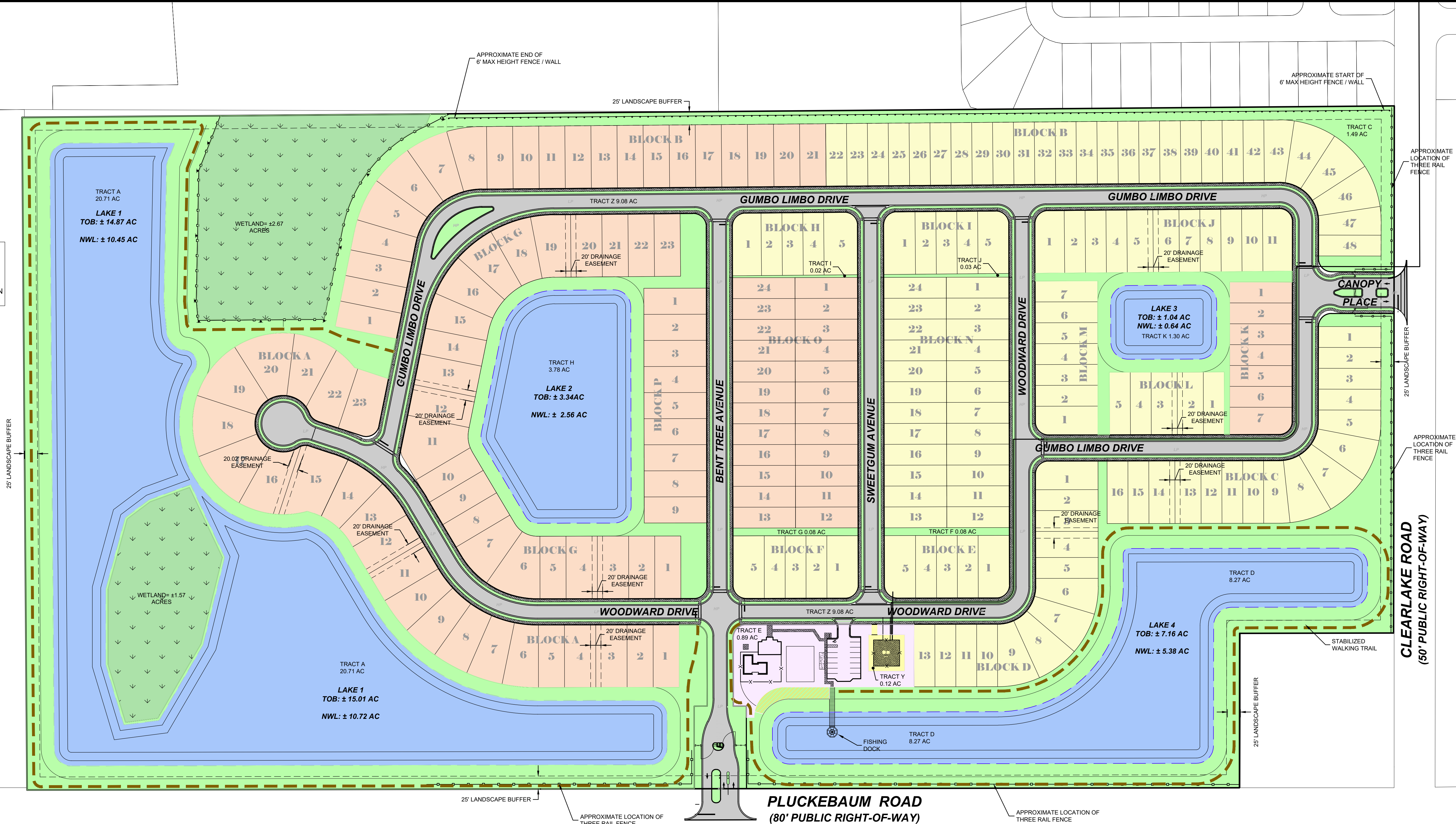
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SHEET

4 of 5

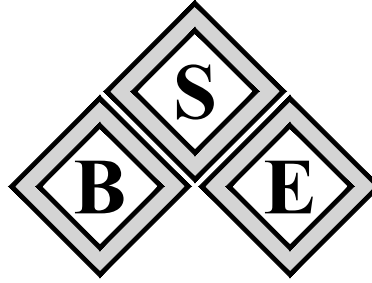
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NOTE:
A DRAINAGE EASEMENT MAY BE NEEDED ALONG THE PROPERTY'S WEST BOUNDARY LINE TO ACCOMMODATE A FUTURE BREVARD COUNTY DRAINAGE IMPROVEMENT PROJECT IDENTIFIED IN THE WEST COCOA WATERSHED EVALUATION SECTION 3.2.8 - STATE ROAD 520 DRAINAGE IMPROVEMENTS.



PARCEL ID	TRACT USE	AREA (SQFT)	AREA (ACRES)	USEABLE OPEN SPACE CREDITS (ACRES)	% OF GROSS SITE (76.20 ACRES)	OWNER AND MAINTENANCE
TRACT A	STORM WATER, OPEN SPACE, LANDSCAPING, PRESERVATION	901,956	20.71	7.62	10.00	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT C	OPEN SPACE, LANDSCAPING	64,785	1.49	0.20	0.26	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT D	STORM WATER, OPEN SPACE, LANDSCAPING	360,360	8.27	5.46	7.17	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT E	OPEN SPACE, LANDSCAPING, RECREATION, TOT LOT	38,803	0.89	1.00	1.31	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT F	OPEN SPACE, LANDSCAPING, DRAINAGE	3,600	0.08	0.00	0.00	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT G	OPEN SPACE, LANDSCAPING, DRAINAGE	3,600	0.08	0.00	0.00	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT H	STORM WATER, OPEN SPACE, LANDSCAPING, DRAINAGE	164,522	3.78	0.32	0.42	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT I	OPEN SPACE, LANDSCAPING, DRAINAGE	1,069	0.02	0.00	0.00	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT J	OPEN SPACE, LANDSCAPING, DRAINAGE	1,515	0.03	0.00	0.00	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT K	STORM WATER, OPEN SPACE, LANDSCAPING, DRAINAGE	56,704	1.30	0.00	0.00	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
TRACT Y	LIFT STATION, LANDSCAPING	5,173	0.12	0.00	0.00	CITY OF COCOA
TRACT Z	PRIVATE RIGHT-OF-WAY	395,577	9.08	0.07	0.09	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
SUB-TOTAL:		1,997,664	45.85	14.67	19.25	
SINGLE FAMILY LOTS		1,322,044	30.35			
TOTAL:		3,319,708	76.20		19.25	
REQUIRED COMMON OPEN SPACE: 20% MINIMUM COMMON OPEN SPACE REQUIRED LESS PRESERVATION AREA : 76.21 - (2.67 + 1.57) = 71.97 x 20% = 14.39 ACRES						
COMMON OPEN SPACE PROVIDED: 14.67 AC						

AMENITIES
THE DEVELOPMENT WILL FEATURE A MANMADE BEACH AREA NEXT TO THE PREMIERE LAKE LOCATED NEAR THE PLUCKEBAUM ROAD ENTRANCE. THE BEACH AREA WILL FEATURE A COMMUNITY GATHERING SPACE FOR RESIDENTS TO ENJOY PASSIVE RECREATION ACTIVITIES SUCH AS LOUNGING, PLAYING FRISBEE, PICNICKING, AND WALKS. THE LARGE LAKE SYSTEM WILL BE STOCKED WITH NATIVE FISH SPECIES TO PROMOTE FISHING ACTIVITIES FOR BOTH CHILDREN AND ADULTS AND A STABILIZED TRAIL SYSTEM AROUND THE LAKES WILL PROVIDE A SERENE AND TRANQUIL WALKING/RUNNING/BIRD WATCHING OPPORTUNITIES FOR RESIDENTS AND GUESTS OF THE COMMUNITY. THE COMMUNITY WILL ALSO HAVE A TOT LOT AND A SEPARATE POOL WITH CABANA FOR THE RESIDENTS AND GUESTS.

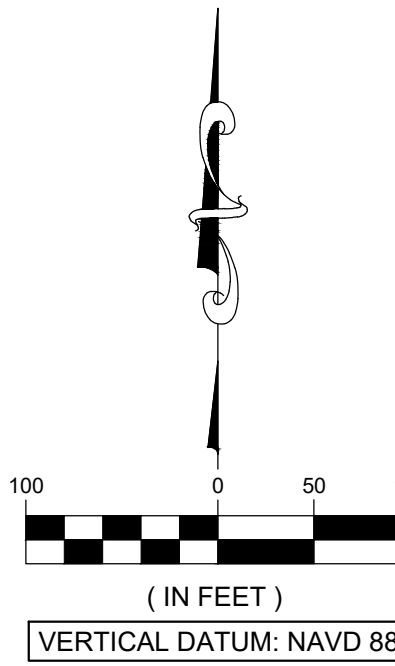


B.S.E. CONSULTANTS, INC.
CONSULTING - ENGINEERING - LAND SURVEYING

312 SOUTH HARBOR CITY BOULEVARD, SUITE 4
MELBOURNE, FLORIDA 32901
PHONE: (321) 725-3674 FAX: (321) 723-1159
CERTIFICATE OF PROFESSIONAL ENGINEERS
BUSINESS AUTHORIZATION: #105
CERTIFICATE OF LAND SURVEYING
BUSINESS AUTHORIZATION: LB000405

SCOTT M. GLAUBITZ, P.E. & P.L.S.
STATE OF FLORIDA, No. 33659 No. 4151

HASSAN A. KAMAL, P.E.
STATE OF FLORIDA, No. 41951



DATE: 04/21/2025
DESIGN/DRAWN: ALS/VDP

PROJECT TITLE

**PRESERVE AT
PLUCKEBAUM**

SHEET TITLE

**OPEN SPACE
PLAN**

PROJECT NO.

11638.20

DRAWING NO.

1163820_203_005

SHEET

5 of 5

Honor AM 40'



Honor BM 40'



Honor CM 40'



Nova AM 40'



Nova BM 40'



Nova CM 40'



Eclipse F 40'



Eclipse AM 40'



Eclipse BM 40'



Eclipse D 40'



Eclipse CM 40'



Eclipse E 40'



Celeste E 40'



Celeste F 40'



Celeste AM 40'

-Revised April 21, 2025



Decorative Shutters
to be added

Contrasting Garage
Color

Celeste CM 40'



Celeste CM 40'



Celeste D 40'

-Revised April 21, 2025



Decorative Shutters
to be added

Contrasting Garage
Color

Dawn AM 40'

-Revised April 21, 2025



Decorative Shutters
to be added

Contrasting Garage
Color

Dawn BM 40'

-Revised April 21, 2025



Decorative Shutters
to be added

Contrasting Garage
Color

Dawn CM 40'



Dawn D 40'

-Revised April 21, 2025



Decorative Shutters
to be added

Contrasting Garage
Color

Dawn E 40'



Dawn F 40'



Bloom AM 40'



Bloom BM 40'



Bloom CM 40'



Jefferson AM 30'



Jefferson BM 30'



Jefferson CM 30'



Jefferson G 30'



Jefferson H 30'



Aura AM 40'

-Revised April 21, 2025



Decorative Shutters
to be added

Contrasting Garage
Color

Aura BM 40'



Aura CM 40'



Georgia AM 30'



Georgia CM 30'



Georgia CM 30'



Georgia D 30'



Georgia E 30'



Georgia F 30'



Edison D 30'



Edison E 30'



Edison F 30'



Edison G 30'



Edison H 30'



Edison AM 30'



Edison CN 30'



Edison CM 30'



Edison F 30'



Columbus AM 30'



Columbus CM 30'



Columbus CM 30'



Columbus D 30'



Columbus E 30'



Columbus F 30'



Columbus G 30'



Columbus H 30'



Belmont AM 30'



Belmont CM 30'



Belmont CM 30'



Belmont D 30'



Belmont E 30'



Belmont G 30'



Belmont H 30'



Abbey BM 30'



Abbey D 30'



Abbey E 30'



Abbey AM 30'



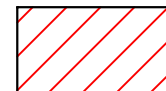
Abbey CM 30'



Abbey F 30'



H:\Projects_Folder\11638_20\Drawings\1163802_200_010.dwg April 17, 2025 4:02:36 PM JF

 AREA USED TO SATISFY OPEN SPACE REQUIREMENT

OPEN SPACE CALCULATION:

REQUIRED OPEN SPACE = 20% OF SITE LESS WETLAND AREAS = 14.39 ACRES REQUIRED

50% CAN COME FROM LAKES (IF LAKES ARE AMENITIZED), WET DETENTION LAKES TO BE STOCKED WITH NATIVE FISH SPECIES IN ACCORDANCE WITH FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION'S GUIDELINES = 14.39 x 0.50 = 7.20 ACRES

ACTIVE OPEN SPACE AREAS PROVIDED:

WALKING TRAIL AROUND SW LAKE PLUS 50' INTO WETLAND = 3.14 ACRES

AMENITY CENTER/ TOT LOT/ BEACH = 1.00 ACRES

WALKING TRAIL AROUND SE LAKE = 1.63 ACRES

LANDSCAPE TRACTS W/ BENCH = 0.39 ACRES

LOOKING 50' INTO SW WETLAND = 0.88 ACRES

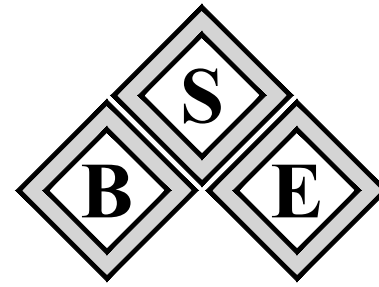
LANDSCAPE BUFFER ADJACENT TO CLEARLAKE RD SIDEWALK = 0.43

TOTAL OPEN SPACE PROVIDED = 14.67 ACRES

TRACT TABLE				
PARCEL ID	TRACT USE	AREA (SQFT)	AREA (ACRES)	OWNER AND MAINTENANCE
TRACT A	STORM WATER, OPEN SPACE, LANDSCAPING	901,956	20.71	HOMEOWNERS ASSOCIATION, ITS SUCCESSORS AND/OR ASSIGNS
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TRACT Z	PRIVATE RIGHT OF WAY	395,577	9.08	
	SUB-TOTAL :	1,997,664	45.86	
	SINGLE FAMILY LOTS	1,322,209	30.35	HOME OWNERS
		3,319,873	76.21	

AMENITIES

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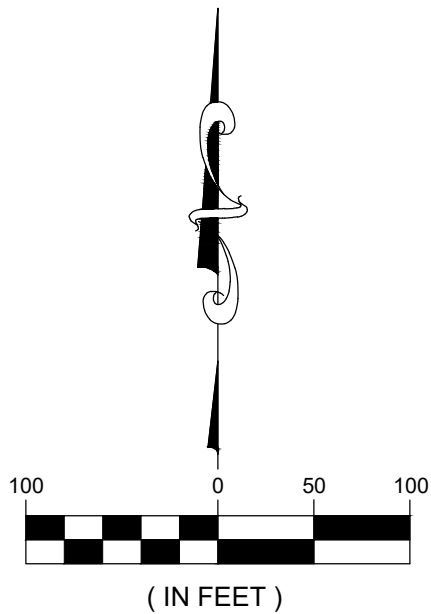


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STATE OF FLORIDA, No. 41951



DATE: 02/17/2025
DESIGN/DRAWN: ALS/VDP

PROJECT TITLE

**PRESERVE AT
PLUCKEBAUM**

SHEET TITLE

**OPEN SPACE
PLAN**

PROJECT NO.

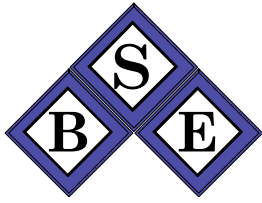
11638.20

DRAWING NO.

1163820_200_010

SHEET

1 of 1



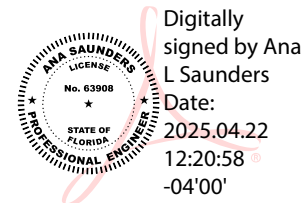
B.S.E. CONSULTANTS, INC.
Consulting ~ Engineering ~ Land Surveying

Scott M. Glaubitz, P.E., P.L.S.
President

Hassan Kamal, P.E.
Vice President

Memorandum:

DATE: March 25, 2025
TO: Lennar
FROM: Ana Saunders, P.E.
Re: *Preserve at Pluckebaum – Compensatory Flood Storage Summary*
B.S.E. #11638.20



All elevations referenced are in the NAVD88 datum

This memo summarizes the project's 10-year and 100-year pre- and post-development flood storage volumes.

SJRWMD Criteria

SJRWMD Permit Information Manual Section 3.3.2 (Floodways and Floodplain Storage) states: *A system may not cause a net reduction in flood storage within a 10- year floodplain except for structures elevated on pilings or traversing works. Traversing works, works or other structures shall cause no more than a one-foot increase in the 100-year flood elevation immediately upstream and no more than one tenth of a foot increase in the 100-year flood elevation 500 feet upstream. A system will not cause a net reduction in flood storage within a 10-year floodplain if compensating storage is provided outside the 10-year floodplain.*

Based on geotechnical analysis, the seasonal high-water table (SHWT) is estimated to vary between elevations ± 13 to 15 ft with an average elevation of 14 ft. Pre-development flood storage is calculated as the volume between the average SHWT and the 10-year flood stage (15.60 ft), interpolated from river stages reported in SJRWMD Publication SJ 85-3 (attached). 3D surface models of the existing ground level and elevation 15.6 ft were created in AutoCAD, to calculate the resulting pre-development flood storage volume of **± 42.12 ac-ft**.

To promote the health and vitality of the preserved wetlands, the stormwater management system Normal Water Level (NWL) was set at an elevation of 13 ft (consistent with existing wetland topography).

The post-development flood storage in the wet detention ponds, calculated between elevations 13 and 15.6 ft, is **± 58.91 ac-ft** which exceeds the pre-development conditions.

The 10-year pre- and post-development flood storage volume condition is met/exceeded.

Civil ~ Agricultural ~ Transportation ~ Utility ~ Site Planning ~ Environmental
312 South Harbor City Boulevard, Suite #4, Melbourne, Florida 32901
Telephone: (321) 725-3674 ~ Fax: (321) 723-1159 ~ Email: info@bseconsult.com
Toll Free: 1-800-523-4BSE (4273)

City of Cocoa Criteria

City of Cocoa Comprehensive Plan Stormwater Management Policy 6.1.3.6 states: *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**. (**bold underlined added for emphasis**)*

Pre-development flood storage is calculated as the volume between the SHWT (13.0 ft) and the Base Flood Elevation (BFE) of 17.00 ft, taken from FEMA FIRM (exhibit attached). Using a 3-D surface model of the site in AutoCAD, the pre-development flood storage volume calculated at elevation 17 ft is determined to be **±118.24 ac-ft**.

Post-Development flood storage is calculated as the volume available between the normal water level (NWL) and BFE in the wet detention ponds however that does not consider storage provided between the BFE and top of bank (TOB) elevation. Both scenarios are provided in the table below.

NWL (ft)	Upper Limit of Storage (ft)	Flood Storage Volume (ac-ft)	
13.00	BFE 17.00	94.66	less than 118.24 ac-ft
13.00	TOB 18.00	121.93	greater than 118.24 ac-ft

Storage up to the BFE represents fully accessible volume for backwater effects from the surrounding 100-year flood zone. Storage between the BFE and TOB still provides for the 100-year runoff from the site, regulated by the control structure. It is important to note that the site is surrounded by the following conditions:

North	Lakeside Palms, Cocoa Grand Apartment complex, and offsite east-west ditch	Both developments provide their own flood storage, offsite east-west ditch to remain
East	Clearlake Road	N/A
South	Pluckebaum Road and roadside drainage ditch	Ditch provides conveyance
West	20-acre single-family residence and offsite north-south ditch	Residential property continues to have uninterrupted access to north-south ditch (on their property) and Pluckebaum Rd ditch

The commercial property located near the southeast corner continues to have uninterrupted access to the Pluckebaum road drainage ditch. The perimeter ditches and roadways separate the subject property from the surrounding areas and further allow the continual conveyance of drainage to the Pluckebaum Road drainage ditch.

Summary

The project exceeds the SJRWMD required 10-year flood storage volume requirement and nearly meets the City's 100-year flood storage requirement. When analyzing the storage volume available in the proposed stormwater management system to the top of bank, the storage volume requirement is exceeded. The geographic components, perimeter ditching to remain, and construction of neighboring development stormwater systems isolates the subject property. The construction of a stormwater management system for the subject property further reduces the need to provide additional flood storage. The City's comprehensive text cites the following:

*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.***

There are three (3) factors identified in the above statement that require consideration:

1. The entirety of the site is located within the 100-year floodplain – there is no development alternative but to fill within it.
2. Environmentally sound – expansion of the proposed stormwater management areas would require impacts to the preserved wetland areas which is contrary to the City's request.
3. Economically feasible – the developer proposes a mixture of unit types, including the introduction of a 40-foot product not found in the City to further reduce the development footprint of the community, and increase compensatory storage. This specific product provides the residents with an opportunity to realize ownership at an affordable value. Expanding storm water management further remove home sites and renders the development economically unfeasible.

Table 3. Flood Elevations in the Upper St. Johns River Under 1984 Basin Conditions (Feet NGVD).

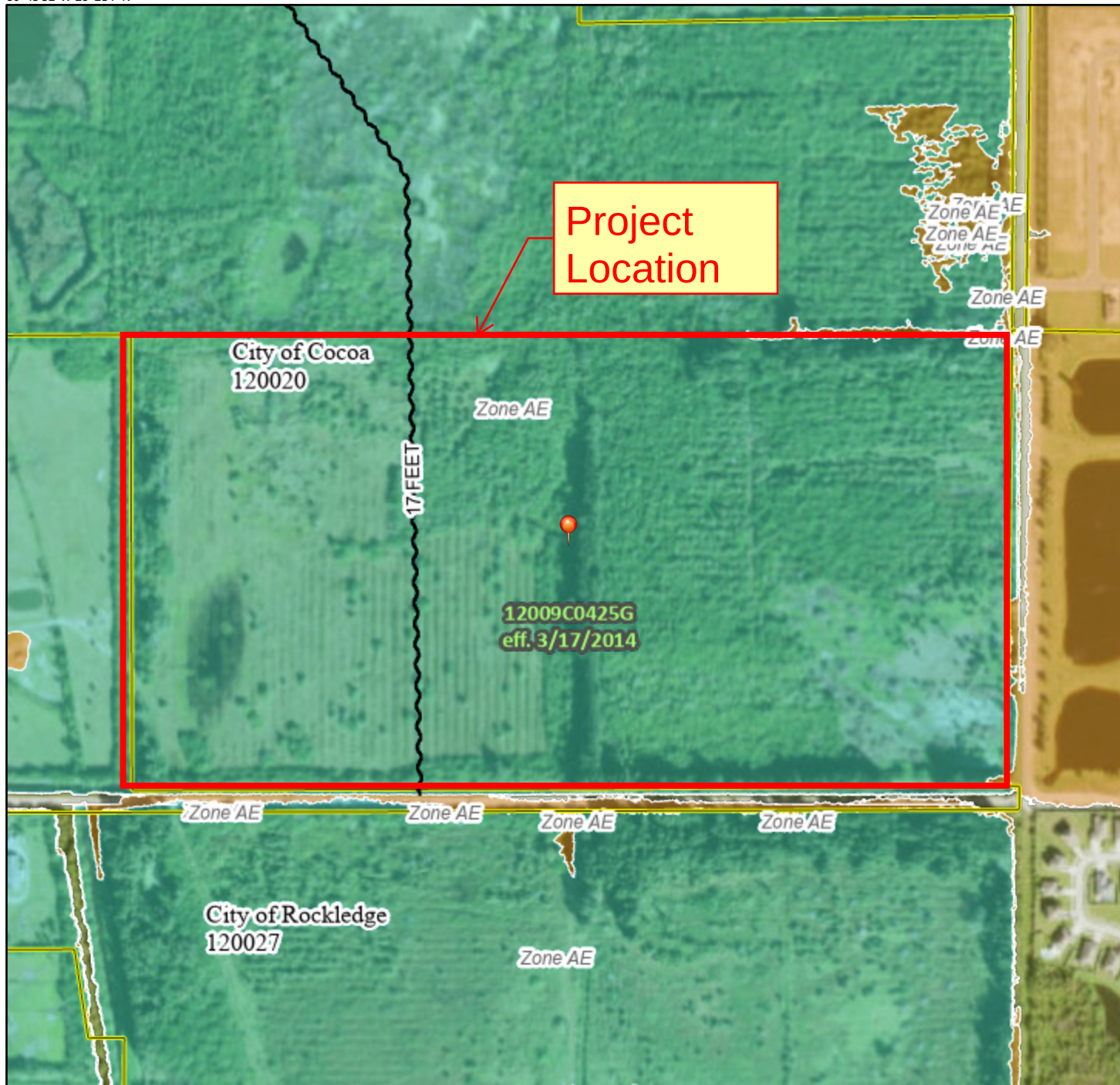
Reach No.	Location	River Mi.	Mean Annual	Return Period					Observed Max. El.	Low Chord of the Bridge
				5-Yr.	10-Yr.	25-Yr.	50-Yr.	100-Yr.		
1	State Rd. 60	295.42	25.5	26.1	26.6	27.2	27.6	28.0	27.78	27.50
2	Blue Cypress Lake	287.75	24.8	25.4	26.0	26.7	27.2	27.8	26.7	
3	Below Fellsmere Grade	283.03	23.7	24.1	24.3	24.4	24.5	24.6		
3	Downstream End of Reach No. 3	277.06	19.1	19.5	19.9	20.4	20.8	21.1		
4	Downstream End of Reach No. 4	270.31	17.9	18.6	19.2	19.9	20.4	20.9		
5	State Rd. 500/ U.S. 192	262.00	17.4	18.2	18.8	19.5	20.0	20.5	20.88	24.70
6	Lk. Washington Weir	254.59	17.0	17.8	18.4	19.1	19.5	19.9	20.39	
7	Below Lake Winder	240.25	15.8	16.6	17.2	17.8	18.1	18.5		
8	State Road 520	232.03	15.4	16.3	16.8	17.3	17.6	17.9	16.96	18.05
9	State Road 528	223.30	13.0	13.9	14.3	14.9	15.2	15.4		30.75
10	State Road 50	209.03	9.7	10.6	11.0	11.6	12.0	12.4	12.43	21.50
11	Downstream End of Reach No. 5	197.13	7.6	8.7	9.4	10.3	10.7	11.2		
12	State Road 46	190.01	6.3	7.6	8.5	9.4	9.6	10.4	10.62	28.50

PROJECT IS LOCATED
BETWEEN THESE POINTS;
10Y STAGE = 17.0 NGVD29

National Flood Hazard Layer FIRMette



80°45'52"W 28°21'7"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

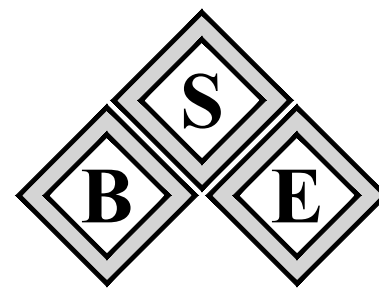
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **4/20/2022 at 9:11 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

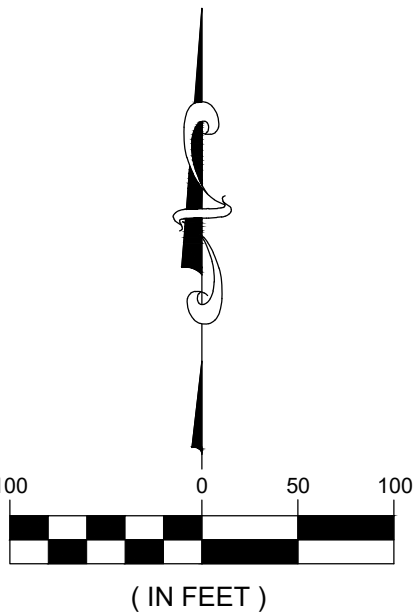


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LAND SURVEYING

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MELBOURNE, FLORIDA 32901
PHONE: (321) 723-3674 FAX: (321) 723-1159
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DATE: 02/17/2025
DESIGN/DRAWN: ALS/VDP

PROJECT TITLE

**PRESERVE AT
PLUCKEBAUM**

SHEET TITLE

**CONCEPT
ALT 3**

PROJECT NO.

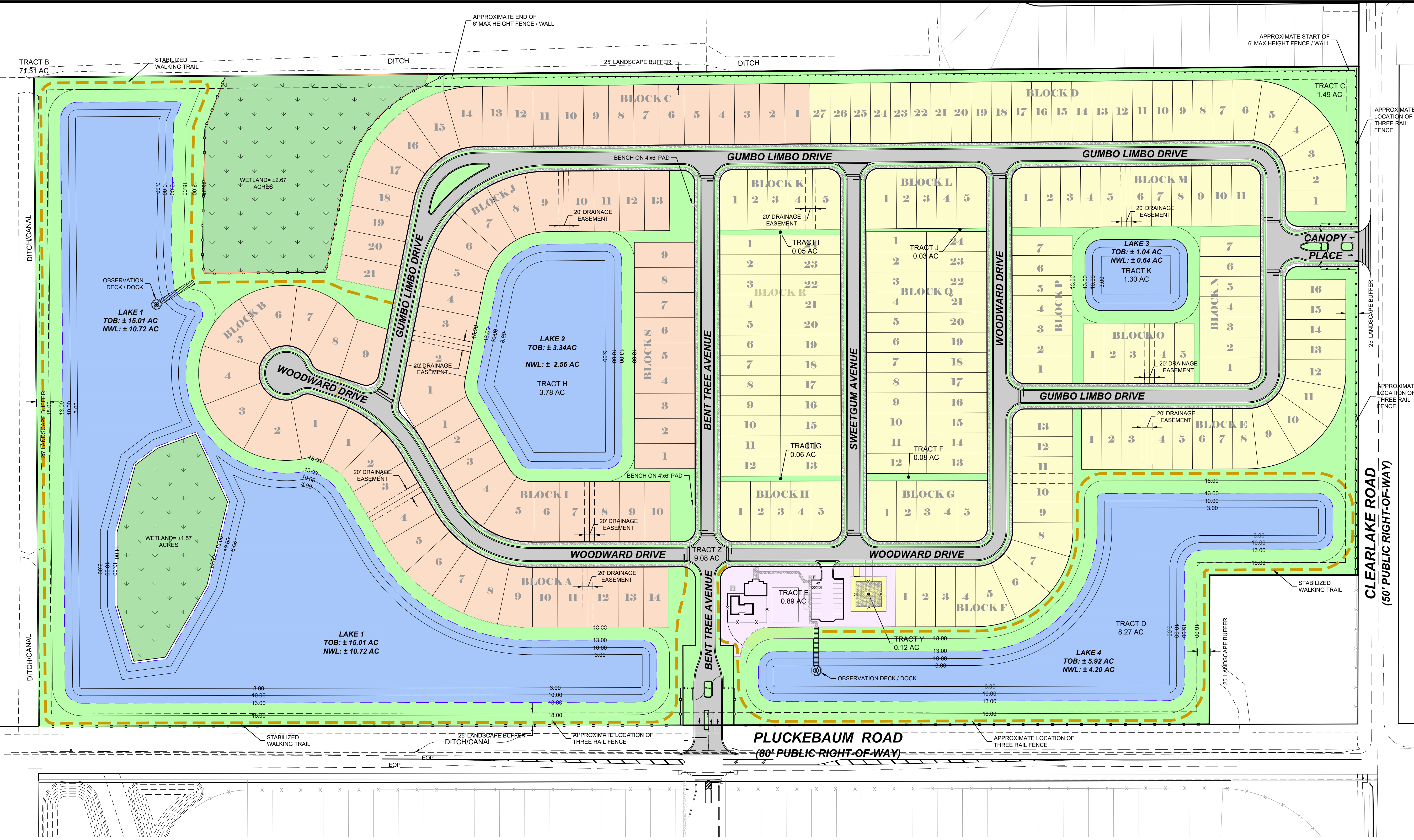
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DRAWING NO.

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SHEET

1 of 1



TRACT TABLE				
PARCEL ID	TRACT USE	AREA (SQFT)	AREA (ACRES)	OWNER AND MAINTENANCE
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TRACT Y	LIFT STATION, LANDSCAPING	5,134	0.12	CITY OF COCOA
TRACT Z	PRIVATE RIGHT OF WAY	395,577	9.08	
	SUB-TOTAL :	1,997,664	45.86	
	SINGLE FAMILY LOTS	1,322,209	30.35	HOME OWNERS
		3,319,873	76.21	

AMENITIES
THE DEVELOPMENT WILL FEATURE A MANMADE BEACH AREA NEXT TO THE PREMIERE LAKE LOCATED NEAR THE PLUCKEBAUM ROAD ENTRANCE. THE BEACH AREA WILL FEATURE A COMMUNITY GATHERING SPACE FOR RESIDENTS TO ENJOY PASSIVE RECREATION ACTIVITIES SUCH AS LOUNGING, PLAYING FRISBEE, PICNICKING, AND WALKS. THE LARGE LAKE SYSTEM WILL BE STOCKED WITH NATIVE FISH SPECIES TO PROMOTE FISHING ACTIVITIES FOR BOTH CHILDREN AND ADULTS AND A STABILIZED TRAIL SYSTEM AROUND THE LAKES WILL PROVIDE A SERENE AND TRANQUIL WALKING/RUNNING/BIRD WATCHING OPPORTUNITIES FOR RESIDENTS AND GUESTS OF THE COMMUNITY. THE COMMUNITY WILL ALSO HAVE A TOT LOT AND A SEPARATE POOL WITH CABANA FOR THE RESIDENTS AND GUESTS.

PROPOSED LOT INVENTORY

40' LOTS: 154
50' LOTS: 76

TOTAL : 230

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Pluckebaum Rd. Subdivision
Flood Storage Calculations
 BSE #11638.20
Elevations referenced to NAVD88

10-YEAR FLOOD STORAGE

PRE

Flood Storage at Flood Elevation 15.6 (AutoCAD elevation model)

42.12 ac ft

POST

Storage in ponds and wetlands

	ELEVATION		AREA		VOLUME
	NWL	10Y FLOOD	NWL	10Y FLOOD	
POND 1 (includes S Wetland)	13	15.6	10.72	12.95	30.77
POND 2	13	15.6	2.56	2.97	7.18
POND 3	13	15.6	0.64	0.85	1.93
POND 4	13	15.6	4.20	5.09	12.08
N WETLAND	13	15.6	2.67	2.67	6.94

58.91

Pluckebaum Rd. Subdivision
Flood Storage Calculations
 BSE #11638.20
Elevations referenced to NAVD88

100-YEAR FLOOD STORAGE

PRE

Flood Storage at Flood Elevation 17.0 (AutoCAD elevation model)

118.24 ac ft

POST

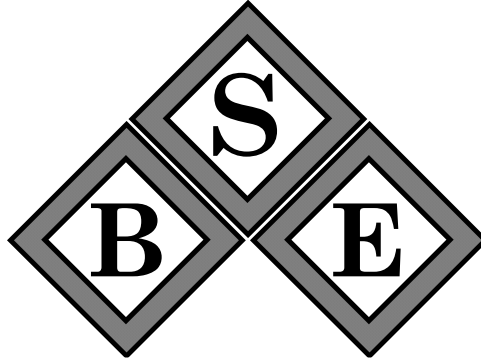
Storage in ponds and wetlands

	ELEVATION		AREA		VOLUME
	NWL	BFE	NWL	BFE	
POND 1 (includes S Wetland)	13	17	10.72	14.15	49.74
POND 2	13	17	2.56	3.18	11.49
POND 3	13	17	0.64	0.96	3.20
POND 4	13	17	4.20	5.58	19.55
N WETLAND	13	17	2.67	2.67	10.68

94.66 ac ft

	ELEVATION		AREA		VOLUME
	NWL	TOB	NWL	TOB	
POND 1 (includes S Wetland)	13	18	10.72	15.01	64.33
POND 2	13	18	2.56	3.34	14.75
POND 3	13	18	0.64	1.04	4.20
POND 4	13	18	4.20	5.92	25.30
N WETLAND	13	18	2.67	2.67	13.35

121.93 ac ft



PRESERVE AT PLUCKEBAUM STORMWATER MANAGEMENT DESIGN REPORT

SUBMITTED TO:

St. Johns River Water Management District
525 Community College Parkway
Palm Bay, FL 32909

PREPARED FOR:

Lennar Homes, LLC
3931 RFCA Blvd, Ste 3105
Palm Beach Gardens, FL 33410

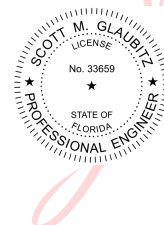
PREPARED BY:

B.S.E. Consultants, Inc.
312 South Harbor City Boulevard, Suite 4
Melbourne, FL 32901

August 2024

Revised March 2024

B.S.E. File #11638.20



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signed by
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PRESERVE AT PLUCKEBAUM
STORMWATER MANAGEMENT DESIGN REPORT
BSE FILE #11638.20

Table of Contents

Report..... Pages 1-5

EXHIBITS

Location Map
Basin Map

APPENDICES

NRCS Soils Report Appendix A
Stormwater Calculations Appendix B
ICPR Files Appendix C
Excerpts from Lakeside Palms West Stormwater Report..... Appendix D
Soil Boring Data Appendix E

**PRESERVE AT PLUCKEBAUM
STORMWATER MANAGEMENT DESIGN REPORT
BSE FILE #11638.20**

Note: All elevations are relative to NAVD88

Project Description and Location

Preserve at Pluckebaum is a proposed residential development in the City of Cocoa, Brevard County, Florida, located at the northwest corner of Pluckebaum Road and Clearlake Road , in Section 31, Township 24 South, Range 36 East. Refer to Location Map Exhibit.

Existing Site Description and Drainage

The residential site is ± 76.21 acres. Existing land use is undeveloped brush/woods and pasture with active cattle grazing.

Site soils are primarily Anclote sand (HSG A/D), Basinger Sand (HSG A/D), and Delray Sand (HSG A/D). Typical wet season water table elevation is approximately ± 14.00 ft. Refer to the Soils Boring Data in Appendix E.

Elevations generally range from 13.0 ft to 17.0 ft. The site is drained via existing on-site ditches that discharge to south to the ditch located along Pluckebaum Road and south to Lake Florence which is a part of the Upper St John's River Basin.

The site contains approximately 42 acres of wetlands. A formal wetland delineation has been completed. Please refer to the report prepared by Modica & Associates for additional information regarding the wetlands.

Proposed Site Conditions and Stormwater Management System Design

The site will be developed as a single-family residential subdivision, with an amenity center and open space. Proposed land use is summarized in the tables in Appendix B.

Runoff from impervious surfaces will sheet flow to inlets and pipes into a system of interconnected wet detention ponds, which will provide the required treatment volume, attenuation, and permanent pool volume. The system will discharge to the Pluckebaum roadside ditch via one outfall.

The normal water level of 13.00 was estimated based on the surrounding properties and existing groundwater levels. Refer to Appendix E.

The stormwater management system is designed to meet the following design criteria:

- a) Provide water quality treatment volume equal to 1.0 inch of runoff or 2.5 inches times the impervious area, whichever is greater.
- b) Recover half of the treatment volume within 24-30 hours.
- c) Provide 21-day residence time (no littoral zone).
- d) Maintain peak discharge rates at or below the pre-development discharge rates for the mean annual 24-hour, 10-year 24-hour, and 25-year 24-hour storms.

Pre-Development (Target Peak Flow) Stormwater Calculations

Target flow rates are based on the predevelopment peak flow rates. See below table. Pre-development condition calculations are provided in Appendix B.

TARGET PEAK FLOW RATES				
	Ann 24h (5.0")	10Y 24H (7.5")	25Y 24H (9.5")	100Y 24H (13")
Area	76.21 ac			
Allowable Unit Flow Rate	1.38 cfs/ac	2.44 cfs/ac	3.30 cfs/ac	4.80 cfs/ac
Allowable Peak Flow Rate	105.03 cfs	185.95 cfs	251.50 cfs	365.56 cfs

Post-Development Stormwater Calculations

Water quality treatment calculations and curve number calculations are provided in Appendix B.

Site soils have dual HSGs of A/D, representing drained/undrained conditions. The seasonal high water table is more than 2 ft below proposed grades, demonstrating drained conditions. Post-development runoff calculations conservatively assume HSG C for all developed pervious areas. Wetland areas are modeled with HSG D. Refer to the ICPR report in Appendix B for curve numbers.

ICPR routing calculations are provided in Appendix C. Routing was performed for the following storms:

- Annual 24-hour storm: 5.0"
- 10-year 24-hour storm: 7.5"
- 25-year 24-hour storm: 9.5"
- 100-year 24-hour storm: 13"

The tailwater stage time series in the Pluckebaum ditch is based on data provided in the drainage report assembled by Morgan & Associates for a neighboring subdivision, Lakeside Palms West (SJRWMD Permit No 106760-4). Refer to Appendix D.

Summary of System Performance

As summarized below, the stormwater management system meets applicable design criteria:

- a) The wet detention ponds provide water quality treatment volume equal to the required volume. Refer to water quality treatment calculations in Appendix B.

WATER QUALITY TREATMENT VOLUME	
Required Treatment Volume	7.18 ac-ft
Provided Treatment Volume	7.18 ac-ft

- b) More than 50% of the required treatment volume is discharged by hour 30. Refer to ICPR water quality treatment volume recovery analysis in Appendix C (starting stage corresponding to the required treatment volume).

WQ TREATMENT VOLUME RECOVERY	
Required Treatment Volume	7.18 ac-ft
Provided Treatment Volume	7.18 ac-ft
Stage @ 30h	13.19 ft

- c) The wet detention pond provides permanent pool exceeding the minimum required for a 21-day residence time. Refer to water quality treatment calculations in Appendix B.

PERMANENT POOL VOLUME	
Required Permanent Pool	16.20 ac-ft
Provided Permanent Pool	146.86 ac-ft
Provided Residence Time	190 d

- d) Post-development peak discharge rates meet pre-development discharge limits for the design storm events (rounding the unit flow rate). Refer to ICPR routing reports in Appendix C (inflow to node PLUCKEBAUM DITCH D/S).

PRE + POST-DEVELOPMENT DISCHARGE RATES				
	Ann 24h (5.0")	10y-24h (7.5")	25y-24h (9.0")	100y-24h (13.0")
Pre-Dev Q (cfs)	105.03 cfs	185.95 cfs	251.50 cfs	365.56 cfs
Post-Dev Q (cfs)	11.04 cfs	16.11 cfs	21.44 cfs	30.09 cfs
Post-Dev Unit Flow Rate	0.14 cfs/ac	0.21 cfs/ac	0.28 cfs/ac	0.39 cfs/ac

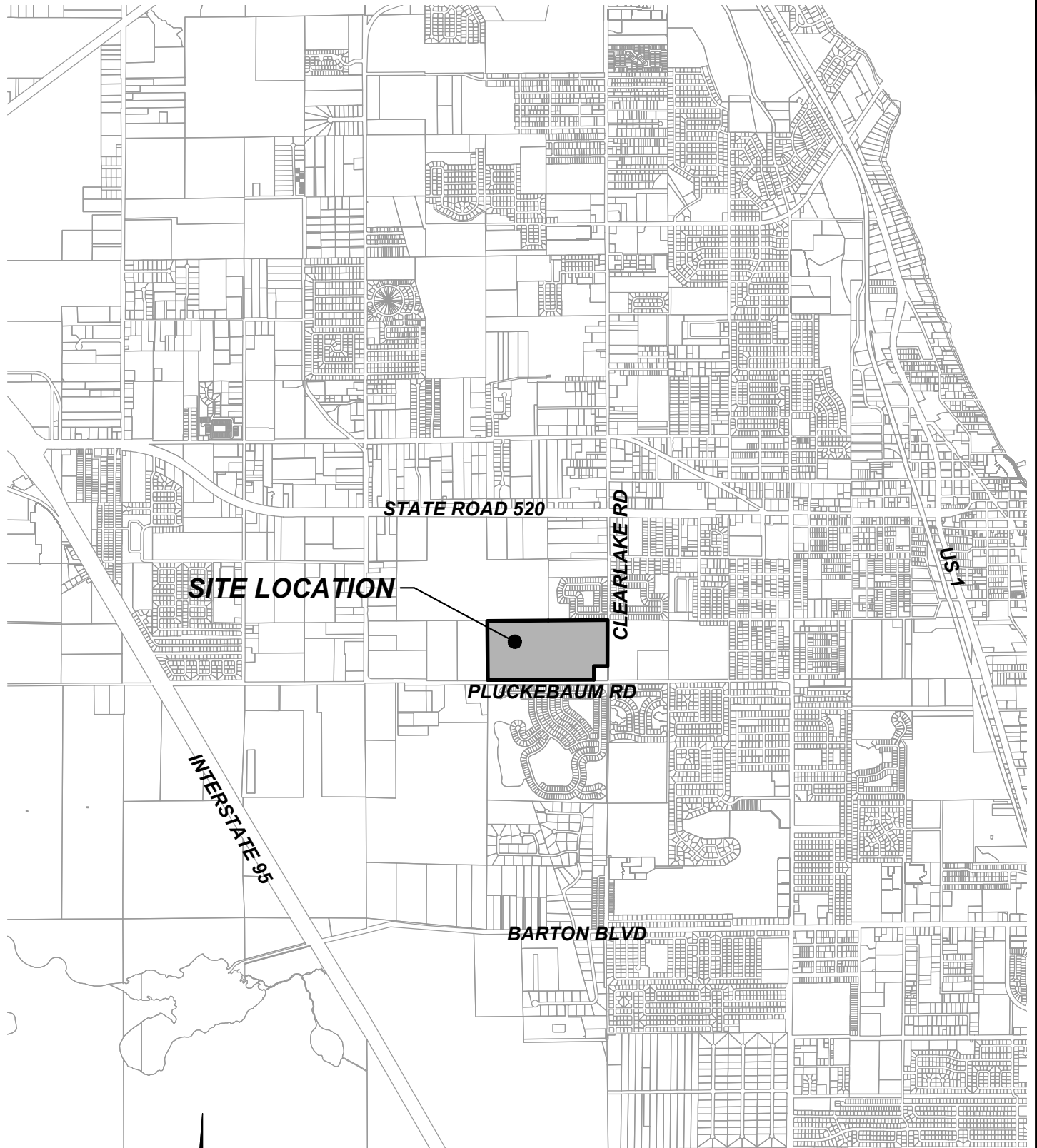
PEAK STAGES				
NWL = 13.00, TOB = 18.00				
	ANN	10Y	25Y	100Y
Lake 1	14.24	14.51	14.72	15.34
Lake 2	14.24	15.06	15.76	16.95
Lake 3	14.23	14.63	15.21	16.20
Lake 4	14.24	14.50	14.75	15.46

- e) Attenuation volume is recovered within 14 days. Refer to ICPR routing reports in Appendix C.

25Y 24H STORM – RECOVERY AT 14 DAYS	
Normal Water Level	13.00
Stage at 14 days	13.02



EXHIBITS



LENNAR - PLUCKEBAUM RD VICINITY MAP



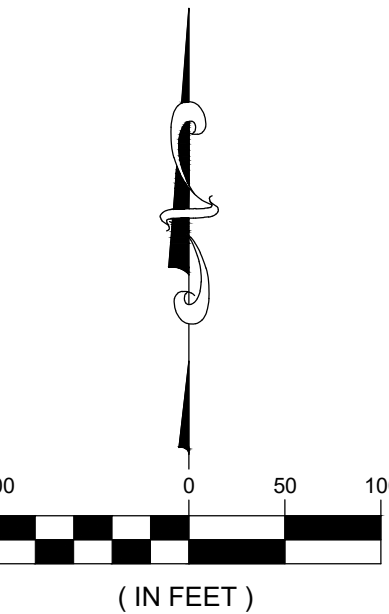
B.S.E. CONSULTANTS, INC.
CONSULTING - ENGINEERING - LAND SURVEYING
312 SOUTH HARBOR CITY BOULEVARD, SUITE 4 MELBOURNE, FL 32901
PHONE: (321) 725-3674 FAX: (321) 723-1159
CERTIFICATE OF BUSINESS AUTHORIZATION: 4905
CERTIFICATE OF LAND SURVEYING BUSINESS AUTHORIZATION: LB0004905

DATE: 07/12/22
DESIGN/DRAWN: ALS/AH
DRAWING# 11638_200_005
PROJECT# 11638
SHEET 1 OF 1



SCOTT M. GLAUBITZ, P.E. & P.L.S.
STATE OF FLORIDA, No. 33659 No. 4151

HASSAN A. KAMAL, P.E.
STATE OF FLORIDA, No. 41951



DATE:	03/04/20
DESIGN/DRAWN:	ALS/VD

PROJECT TITLE

**PRESERVE AT
PLUCKEBAUM**

SHEET TITLE

BASIN MAP

PROJECT NO.

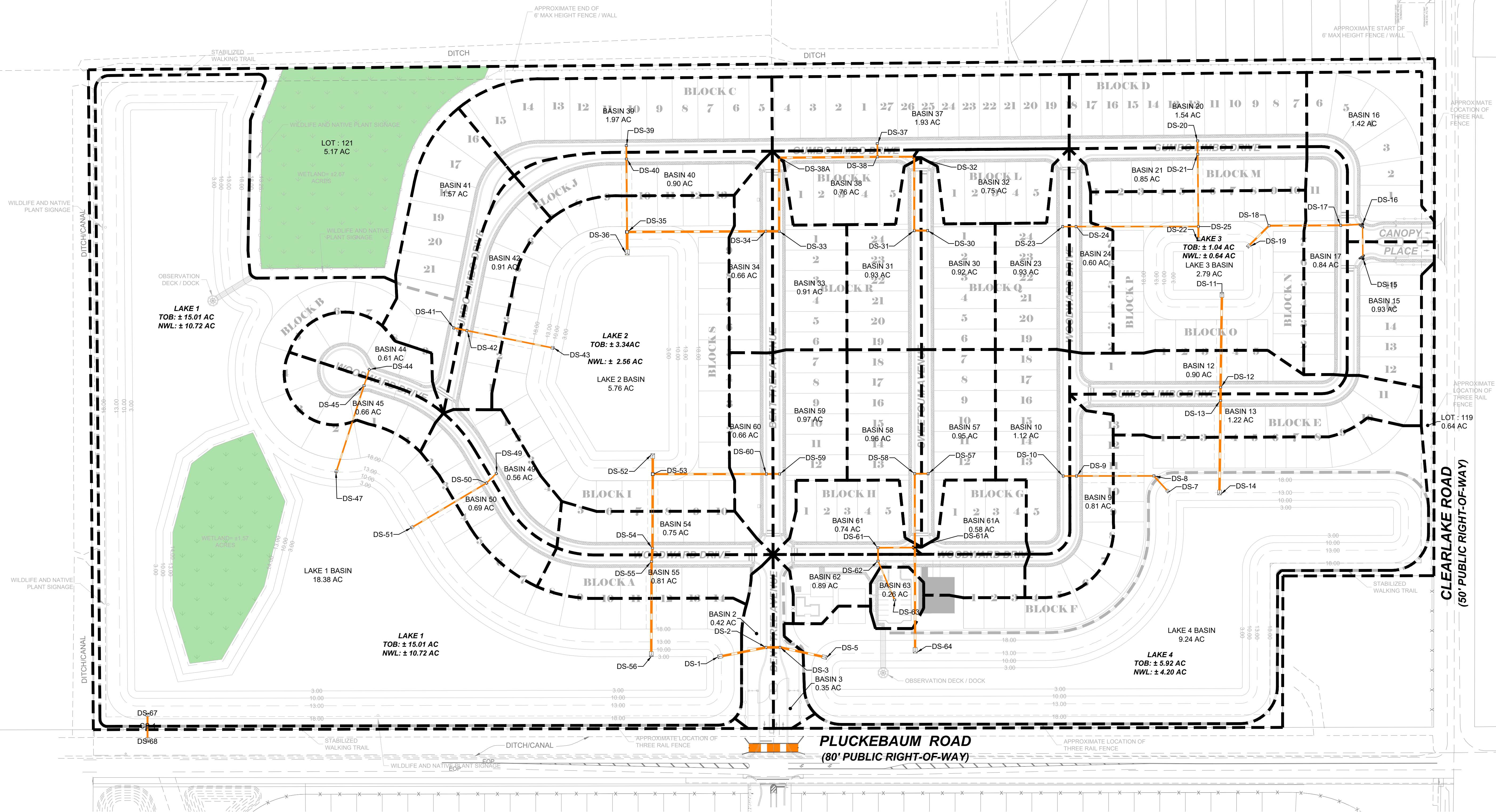
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DRAWING NO.

163820_200_012

SHEET

of 1



TRACT TABLE		
PARCEL ID	AREA (SQFT)	AREA (ACRES)
BASIN 2	18,499	0.42
BASIN 3	15,348	0.35
BASIN 9	35,364	0.81
BASIN 10	48,726	1.12
BASIN 12	39,105	0.90
BASIN 13	53,334	1.22
BASIN 15	40,600	0.93
BASIN 16	61,657	1.42
BASIN 17	36,710	0.84
BASIN 20	67,272	1.54
BASIN 21	36,925	0.85
BASIN 23	40,673	0.93
BASIN 24	26,276	0.60
BASIN 30	40,156	0.92
BASIN 31	40,556	0.93
BASIN 32	32,698	0.75
BASIN 33	39,559	0.91
BASIN 34	28,744	0.66
BASIN 37	84,226	1.93
BASIN 38	32,907	0.76
BASIN 39	85,607	1.97
BASIN 40	39,200	0.90

TRACT TABLE		
PARCEL ID	AREA (SQFT)	AREA (ACRES)
BASIN 41	68,432	1.57
BASIN 42	39,692	0.91
BASIN 44	26,524	0.61
BASIN 45	28,666	0.66
BASIN 49	24,553	0.56
BASIN 50	30,109	0.69
BASIN 54	32,673	0.75
BASIN 55	35,129	0.81
BASIN 57	41,514	0.95
BASIN 58	41,693	0.96
BASIN 59	42,195	0.97
BASIN 60	28,901	0.66
BASIN 61	32,100	0.74
BASIN 61A	25,207	0.58
BASIN 62	38,577	0.89
BASIN 63	11,124	0.26
LAKE 1 BASIN	800,538	18.38
LAKE 2 BASIN	250,877	5.76
LAKE 3 BASIN	121,448	2.79
LAKE 4 BASIN	202,340	9.24
LOT : 119	48,056	0.64
LOT : 121	225,146	5.17

SYMBOLS SHOWN ARE GRAPHIC IN NATURE; DUE TO SCALE, ALL DESIGN ELEMENTS ARE NOT NECESSARILY SHOWN ON PLAN VIEWS. THE CONTRACTOR SHALL ALSO REFER TO SPECIFICATION AND DETAIL SHEETS AS WELL AS THE COMPLETE PLAN SET.



APPENDIX A

NRCS SOILS REPORT

Custom Soil Resource Report Soil Map (Lennar Pluckebaum)



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit

 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water

 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot

 Sinkhole

 Slide or Slip

 Sodic Spot

 Spoil Area

 Stony Spot

 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals

Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Brevard County, Florida
Survey Area Data: Version 21, Aug 25, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 28, 2015—May 18, 2015

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend (Lennar Pluckebaum)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
6	Basinger sand, depressional	19.9	19.8%
26	Holopaw sand, 0 to 2 percent slopes	2.8	2.7%
48	Delray sand, occasionally flooded	3.7	3.7%
64	Terra Ceia muck, frequently flooded	2.1	2.1%
70	Valkaria sand	0.2	0.2%
91	Anclote sand	72.1	71.6%
Totals for Area of Interest		100.7	100.0%

Map Unit Descriptions (Lennar Pluckebaum)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it

was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Brevard County, Florida

6—Basinger sand, depressional

Map Unit Setting

National map unit symbol: 1lg2k
Elevation: 0 to 50 feet
Mean annual precipitation: 49 to 57 inches
Mean annual air temperature: 68 to 75 degrees F
Frost-free period: 350 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Basinger, depressional, and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Basinger, Depressional

Setting

Landform: Depressions on marine terraces
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Sandy marine deposits

Typical profile

A - 0 to 2 inches: sand
Eg - 2 to 20 inches: sand
Bh/Eg - 20 to 27 inches: sand
Cg - 27 to 80 inches: sand

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Very poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Very high (19.98 to 50.02 in/hr)
Depth to water table: About 0 inches
Frequency of flooding: None
Frequency of ponding: Frequent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Very low (about 2.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7w
Hydrologic Soil Group: A/D
Forage suitability group: Sandy soils on stream terraces, flood plains, or in depressions (G156BC145FL)
Other vegetative classification: Freshwater Marshes and Ponds (R155XY010FL), Sandy soils on stream terraces, flood plains, or in depressions (G156BC145FL)

Hydric soil rating: Yes

Minor Components

St. Johns

Percent of map unit: 5 percent

Landform: Depressions on marine terraces

Landform position (three-dimensional): Dip

Down-slope shape: Concave

Across-slope shape: Concave

Other vegetative classification: Freshwater Marshes and Ponds (R155XY010FL),
Sandy soils on stream terraces, flood plains, or in depressions
(G156BC145FL)

Hydric soil rating: Yes

Holopaw

Percent of map unit: 5 percent

Landform: Depressions on marine terraces

Landform position (three-dimensional): Dip

Down-slope shape: Concave

Across-slope shape: Concave

Other vegetative classification: Freshwater Marshes and Ponds (R155XY010FL),
Sandy soils on stream terraces, flood plains, or in depressions
(G156BC145FL)

Hydric soil rating: Yes

26—Holopaw sand, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2x9g9

Elevation: 0 to 190 feet

Mean annual precipitation: 46 to 57 inches

Mean annual air temperature: 68 to 77 degrees F

Frost-free period: 350 to 365 days

Farmland classification: Not prime farmland

Map Unit Composition

Holopaw and similar soils: 84 percent

Minor components: 16 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Holopaw

Setting

Landform: Flats on marine terraces, drainageways on marine terraces

Landform position (three-dimensional): Tread, tal, dip

Down-slope shape: Linear, concave

Across-slope shape: Concave, linear

Parent material: Sandy and loamy marine deposits

Typical profile

A - 0 to 5 inches: sand
Eg - 5 to 48 inches: sand
Btg - 48 to 65 inches: sandy clay loam
BCkg - 65 to 80 inches: sandy loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.20 to 2.00 in/hr)
Depth to water table: About 3 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 4 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: A/D
Forage suitability group: Sandy soils on stream terraces, flood plains, or in depressions (G155XB145FL)
Other vegetative classification: Slough (R155XY011FL), Sandy soils on stream terraces, flood plains, or in depressions (G155XB145FL)
Hydric soil rating: Yes

Minor Components

Basinger

Percent of map unit: 6 percent
Landform: Flats on marine terraces, drainageways on marine terraces
Landform position (three-dimensional): Tread, talf, dip
Down-slope shape: Concave
Across-slope shape: Linear
Other vegetative classification: Slough (R155XY011FL), Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)
Hydric soil rating: Yes

Riviera

Percent of map unit: 4 percent
Landform: Drainageways on marine terraces, flats on marine terraces, flatwoods on marine terraces
Landform position (three-dimensional): Tread, dip, talf
Down-slope shape: Linear, concave
Across-slope shape: Linear, concave
Other vegetative classification: Sandy over loamy soils on flats of hydric or mesic lowlands (G156BC241FL), Slough (R156BY011FL)
Hydric soil rating: Yes

Oldsmar

Percent of map unit: 3 percent

Custom Soil Resource Report

Landform: Flatwoods on marine terraces, drainageways on marine terraces

Landform position (three-dimensional): Talf, dip

Down-slope shape: Linear, concave

Across-slope shape: Linear

Other vegetative classification: South Florida Flatwoods (R155XY003FL), Sandy soils on flats of mesic or hydric lowlands (G155XB141FL)

Hydric soil rating: No

Cypress lake

Percent of map unit: 2 percent

Landform: Flats on marine terraces, drainageways on marine terraces

Landform position (three-dimensional): Tread, talf, dip

Down-slope shape: Convex, linear

Across-slope shape: Linear, concave

Other vegetative classification: South Florida Flatwoods (R155XY003FL), Sandy over loamy soils on flats of hydric or mesic lowlands (G155XB241FL)

Hydric soil rating: Yes

Gentry

Percent of map unit: 1 percent

Landform: Depressions on marine terraces

Landform position (three-dimensional): Tread, dip

Down-slope shape: Concave

Across-slope shape: Concave

Other vegetative classification: Freshwater Marshes and Ponds (R155XY010FL), Sandy over loamy soils on stream terraces, flood plains, or in depressions (G155XB245FL)

Hydric soil rating: Yes

48—Delray sand, occasionally flooded

Map Unit Setting

National map unit symbol: 1lg3x

Elevation: 10 to 60 feet

Mean annual precipitation: 49 to 57 inches

Mean annual air temperature: 68 to 75 degrees F

Frost-free period: 350 to 365 days

Farmland classification: Not prime farmland

Map Unit Composition

Delray, flooded, and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Delray, Flooded

Setting

Landform: Drainageways on marine terraces

Landform position (three-dimensional): Dip

Down-slope shape: Linear

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Across-slope shape: Concave

Parent material: Sandy and loamy marine deposits

Typical profile

A - 0 to 15 inches: sand

Eg - 15 to 40 inches: sand

Btg1 - 40 to 52 inches: sandy loam

Btg2 - 52 to 60 inches: sandy clay loam

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Very poorly drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)

Depth to water table: About 0 inches

Frequency of flooding: OccasionalNone

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Moderate (about 6.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: A/D

Forage suitability group: Sandy soils on stream terraces, flood plains, or in depressions (G156BC145FL)

Other vegetative classification: Slough (R155XY011FL), Sandy soils on stream terraces, flood plains, or in depressions (G156BC145FL)

Hydric soil rating: Yes

Minor Components

Pineda

Percent of map unit: 5 percent

Landform: Flats on marine terraces

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Other vegetative classification: Slough (R155XY011FL), Sandy over loamy soils on flats of hydric or mesic lowlands (G156BC241FL)

Hydric soil rating: Yes

Basinger

Percent of map unit: 5 percent

Landform: Flats on marine terraces

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Other vegetative classification: Slough (R155XY011FL), Sandy soils on flats of mesic or hydric lowlands (G156BC141FL)

Hydric soil rating: Yes

64—Terra Ceia muck, frequently flooded

Map Unit Setting

National map unit symbol: 1lg4f
Elevation: 0 to 30 feet
Mean annual precipitation: 49 to 57 inches
Mean annual air temperature: 68 to 75 degrees F
Frost-free period: 350 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Terra ceia, flooded, and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Terra Ceia, Flooded

Setting

Landform: Flood plains on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Herbaceous organic material

Typical profile

Oa - 0 to 70 inches: muck

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Very poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
Depth to water table: About 0 inches
Frequency of flooding: NoneFrequent
Frequency of ponding: Frequent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Very high (about 13.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7w
Hydrologic Soil Group: A/D
Forage suitability group: Organic soils in depressions and on flood plains (G156BC645FL)
Other vegetative classification: Freshwater Marshes and Ponds (R155XY010FL),
Organic soils in depressions and on flood plains (G156BC645FL)
Hydric soil rating: Yes

Minor Components

Tomoka, flooded

Percent of map unit: 5 percent

Landform: Flood plains on marine terraces

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Other vegetative classification: Freshwater Marshes and Ponds (R155XY010FL),

Organic soils in depressions and on flood plains (G156BC645FL)

Hydric soil rating: Yes

Micco, flooded

Percent of map unit: 5 percent

Landform: Flood plains on marine terraces

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Other vegetative classification: Freshwater Marshes and Ponds (R155XY010FL),

Organic soils in depressions and on flood plains (G156BC645FL)

Hydric soil rating: Yes

70—Valkaria sand

Map Unit Setting

National map unit symbol: 1lg4l

Elevation: 0 to 100 feet

Mean annual precipitation: 49 to 57 inches

Mean annual air temperature: 68 to 75 degrees F

Frost-free period: 350 to 365 days

Farmland classification: Not prime farmland

Map Unit Composition

Valkaria and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Valkaria

Setting

Landform: Flats on marine terraces

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy marine deposits

Typical profile

A - 0 to 9 inches: sand

E - 9 to 15 inches: sand

Bw - 15 to 41 inches: sand

Custom Soil Resource Report

Cg - 41 to 80 inches: sand

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Poorly drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very high (19.98 to 50.02 in/hr)

Depth to water table: About 0 to 12 inches

Frequency of flooding: None

Frequency of ponding: None

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Low (about 3.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4w

Hydrologic Soil Group: A/D

Forage suitability group: Sandy soils on flats of mesic or hydric lowlands (G156BC141FL)

Other vegetative classification: Slough (R155XY011FL), Sandy soils on flats of mesic or hydric lowlands (G156BC141FL)

Hydric soil rating: Yes

Minor Components

Pineda

Percent of map unit: 5 percent

Landform: Flats on marine terraces

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Other vegetative classification: Slough (R155XY011FL), Sandy over loamy soils on flats of hydric or mesic lowlands (G156BC241FL)

Hydric soil rating: Yes

Malabar

Percent of map unit: 5 percent

Landform: Flats on marine terraces

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Other vegetative classification: Slough (R155XY011FL), Sandy soils on flats of mesic or hydric lowlands (G156BC141FL)

Hydric soil rating: Yes

Hilolo, non-hydric

Percent of map unit: 5 percent

Landform: Flats on marine terraces

Landform position (three-dimensional): Talf

Down-slope shape: Convex

Across-slope shape: Linear

Other vegetative classification: Loamy and clayey soils on flats of hydric or mesic lowlands (G156BC341FL)

Hydric soil rating: No

91—Ancloste sand

Map Unit Setting

National map unit symbol: 1lg58
Elevation: 10 to 80 feet
Mean annual precipitation: 49 to 57 inches
Mean annual air temperature: 68 to 75 degrees F
Frost-free period: 350 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Ancloste and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ancloste

Setting

Landform: Flats on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy marine deposits

Typical profile

A - 0 to 19 inches: sand
Cg - 19 to 72 inches: sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Very poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
Depth to water table: About 0 to 6 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 5.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: A/D
Forage suitability group: Sandy soils on flats of mesic or hydric lowlands (G156BC141FL)
Other vegetative classification: Slough (R155XY011FL), Sandy soils on flats of mesic or hydric lowlands (G156BC141FL)

Hydric soil rating: Yes

Minor Components

Chobee

Percent of map unit: 5 percent

Landform: Flats on marine terraces

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Other vegetative classification: Loamy and clayey soils on flats of hydric or mesic lowlands (G156BC341FL)

Hydric soil rating: Yes

Floridana

Percent of map unit: 5 percent

Landform: Depressions on marine terraces

Landform position (three-dimensional): Dip

Down-slope shape: Concave

Across-slope shape: Concave

Other vegetative classification: Freshwater Marshes and Ponds (R155XY010FL), Sandy over loamy soils on stream terraces, flood plains, or in depressions (G156BC245FL)

Hydric soil rating: Yes

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APPENDIX B

STORMWATER CALCULATIONS

Post-Development Stormwater Calculations
Preserve at Pluckebaum
(BSE File # 11638.20)

Land use	IMPERVIOUS COVERAGE		
	AC.	% IMPERVIOUS	IMPER. ACRES
Wetlands	4.24	100%	4.24
Residential Lots	43.21	70%	30.25
Stormwater(@NWL)	19.02	100%	19.02
Open Space	9.74	0%	0.00
SUBTOTAL -BASIN	76.21		53.51
Weighted impervious cover =	70%	(including NWL)	
Weighted impervious cover =	95%	(excluding NWL)	

REQUIRED WATER QUALITY TREATMENT VOLUME

1" OVER BASIN AREA = 6.35 AC -FT

OR

2.5" x IMPERVIOUS AREA = 7.18 AC -FT

REQ'D WATER QUALITY TREATMENT VOLUME =	7.18	AC-FT
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B. SET THE ELEVATION OF THE CONTROL STRUCTURE

CONTROL WATER LEVEL; BLEEDER ELEVATION = 13.00

	<u>POND 1</u>	<u>POND 2</u>	<u>POND 3</u>	<u>POND 4</u>	<u>Total</u>
Area (ac.) @ NWL (Elev 13 ft) =	12.65	1.68	1.19	3.50	19.02
Area (ac.) @ TOB (Elev 18 ft) =	17.73	2.37	1.76	4.66	26.52
STORAGE VOL. @ NWL =	0.00 AC -FT				

STORAGE VOLUME @ ELEV. 18.00 113.85 AC- FT

REQUIRED TREAT. VOLUME 7.18 (AC-FT)

STAGE-STORAGE CALCULATIONS ARE AS FOLLOWS:

<u>STAGE</u>	<u>POND 1</u> <u>STORAGE(AC-FT)</u>	<u>POND "2"</u> <u>STORAGE(AC-FT)</u>	<u>POND "3"</u> <u>STORAGE(AC-FT)</u>	<u>POND "4"</u> <u>STORAGE(AC-FT)</u>	<u>TOTAL (AC-FT)</u>
13.00	0.00	0.00	0.00	0.00	0.00
14.00	10.84	1.65	1.28	3.62	17.39
15.00	23.04	3.44	2.67	7.47	36.62
16.00	35.74	5.36	4.17	11.55	56.82
17.00	48.96	7.41	5.79	15.86	78.02
18.00	56.64	9.60	7.53	20.41	94.18

BASED UPON STORAGE PROVIDED, SET OVERFLOW ELEVATION AT 13.38

SET OVERFLOW ELEVATION =	13.4	FT
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APPENDIX C

ICPR ROUTING FILES

Simulation: 100Y

Scenario: Scenario1
Run Date/Time: 8/28/2024 9:08:19 AM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	30.0000	0.0500
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set: 100Y
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr
Ia/S: 0.20 dec

Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft

Smp/Man Basin Rain Global
Opt:

Rainfall Name: ~FLMOD
Rainfall Amount: 13.00 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: 10Y

Scenario: Scenario1
Run Date/Time: 8/28/2024 9:15:41 AM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	30.0000	0.0500
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources	Lookup Tables
Rainfall Folder:	Boundary Stage Set: 10Y
Unit Hydrograph Folder:	Extern Hydrograph Set:
	Curve Number Set: CN
	Green-Ampt Set:
	Vertical Layers Set:
	Impervious Set: IMP

Tolerances & Options			
Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6		
Over-Relax Weight	0.5 dec	Ia/S:	0.20 dec
Fact:			
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain	Global
Max dZ:	1.0000 ft	Opt:	
Link Optimizer Tol:	0.0001 ft		
		Rainfall Name:	~FLMOD
		Rainfall Amount:	7.50 in
		Storm Duration:	24.0000 hr
		Dflt Damping (1D):	0.0050 ft
		Min Node Srf Area	100 ft2
		(1D):	
		Energy Switch (1D):	Energy

Comment:

Simulation: 25Y

Scenario: Scenario1
Run Date/Time: 8/28/2024 9:23:23 AM
Program Version: ICPR4 4.07.08

General				
Run Mode:	Normal			
	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	336.0000
	Hydrology [sec]	Surface Hydraulics [sec]		
Min Calculation Time:	30.0000	0.0500		
Max Calculation Time:		30.0000		

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set: 25Y
Extern Hydrograph Set:
Curve Number Set: CN

Green-Ampt Set:
Vertical Layers Set:
Impervious Set: IMP

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight: 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

Link Optimizer Tol: 0.0001 ft

IA Recovery Time: 24.0000 hr

Ia/S: 0.20 dec

Smp/Man Basin Rain: Global
Opt:

Rainfall Name: ~FLMOD
Rainfall Amount: 9.50 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area: 100 ft2
(1D):
Energy Switch (1D): Energy

Comment:

Simulation: ANN

Scenario: Scenario1

Run Date/Time: 8/28/2024 10:02:10 AM
Program Version: ICPR4 4.07.08

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]
Min Calculation Time:	30.0000	0.0500
Max Calculation Time:		30.0000

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	5.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder:

Unit Hydrograph
Folder:

Lookup Tables

Boundary Stage Set: ANN

Extern Hydrograph Set:

Curve Number Set: CN

Green-Ampt Set:

Vertical Layers Set:

Impervious Set: IMP

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight 0.5 dec
Fact:
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft

IA Recovery Time: 24.0000 hr

Ia/S: 0.20 dec

Smp/Man Basin Rain Global
Opt:

Link Optimizer Tol: 0.0001 ft

Rainfall Name: ~FLMOD
 Rainfall Amount: 5.00 in
 Storm Duration: 24.0000 hr
 Dflt Damping (1D): 0.0050 ft
 Min Node Srf Area 100 ft2
 (1D):
 Energy Switch (1D): Energy

Comment:

Impervious: IMP [Set]

Land Cover Zone	% Impervious	% DCIA	% Direct	Ia/S [dec]	Ia Impervious [in]	Ia Pervious [in]
Open Space	0.00	0.00	0.00	0.00	0.000	0.000
Pavement	98.00	98.00	0.00	0.00	0.000	0.000
Pond	0.00	0.00	100.00	0.00	0.000	0.000
Residential Lots	70.00	20.00	0.00	0.00	0.000	0.000
Wetland	0.00	0.00	70.00	0.00	0.000	0.000

Curve Number: CN [Set]

Land Cover Zone	Soil Zone	Curve Number [dec]
Amenity	C	74.0
Open Space	C	74.0
Pavement	C	74.0
Pond	C	74.0
Residential Lots	C	74.0
Wetland	D	80.0

Boundary Stage: PLUCKEBAUM DITCH D/S

Boundary Stage Set: 100Y

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	9.00
0	0	0	14.0000	12.00
0	0	0	24.0000	15.00
0	0	0	36.0000	12.00

Comment:

Boundary Stage: PLUCKEBAUM DITCH D/S

Boundary Stage Set: 10Y

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	9.00
0	0	0	14.0000	12.00
0	0	0	24.0000	15.00
0	0	0	36.0000	12.00

Comment:

Boundary Stage: PLUCKEBAUM DITCH D/S

Boundary Stage Set: 25Y

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	9.00
0	0	0	14.0000	12.00
0	0	0	24.0000	15.00
0	0	0	36.0000	12.00

Comment:

Boundary Stage: PLUCKEBAUM DITCH D/S

Boundary Stage Set: ANN

Year	Month	Day	Hour [hr]	Stage [ft]
0	0	0	0.0000	9.00
0	0	0	14.0000	12.00
0	0	0	24.0000	15.00
0	0	0	36.0000	12.00

Comment:

Manual Basin: B-DS10

Scenario: Scenario1

Node: DS-10

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 1.0000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1800	Pavement	C	
0.7300	Residential Lots	C	
0.0900	Open Space	C	

Comment:

Manual Basin: B-DS12

Scenario: Scenario1

Node: DS-12

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 0.8200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.2000	Pavement	C	
0.5400	Residential Lots	C	
0.0800	Open Space	C	

Comment:

Manual Basin: B-DS13

Scenario: Scenario1

Node: DS-13

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 1.1700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.2000	Pavement	C	
0.8900	Residential Lots	C	
0.0800	Open Space	C	

Comment:

Manual Basin: B-DS15

Scenario: Scenario1
Node: DS-15
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 0.9300 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1900	Pavement	C	
0.5700	Residential Lots	C	
0.1700	Open Space	C	

Comment:

Manual Basin: B-DS16

Scenario: Scenario1
Node: DS-16
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 1.3700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.2000	Pavement	C	
0.9600	Residential Lots	C	
0.2100	Open Space	C	

Comment:

Manual Basin: B-DS17

Scenario: Scenario1
Node: DS-17
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 0.9200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.2400	Pavement	C	
0.5900	Residential Lots	C	
0.0900	Open Space	C	

Comment:

Manual Basin: B-DS2

Scenario: Scenario1

Node: DS-02

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 0.1800 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1800	Pavement	C	

Comment:

Manual Basin: B-DS20

Scenario: Scenario1

Node: DS-20

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 1.6800 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.2200	Pavement	C	
1.3900	Residential Lots	C	
0.0700	Open Space	C	

Comment:

Manual Basin: B-DS21

Scenario: Scenario1
 Node: DS-21
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH484
 Peaking Factor: 484.0
 Area: 0.9100 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.2200	Pavement	C	
0.6200	Residential Lots	C	
0.0700	Open Space	C	

Comment:

Manual Basin: B-DS23

Scenario: Scenario1
 Node: DS-23
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH484
 Peaking Factor: 484.0
 Area: 0.9900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1700	Pavement	C	
0.7700	Residential Lots	C	
0.0500	Open Space	C	

Comment:

Manual Basin: B-DS24

Scenario: Scenario1
 Node: DS-24
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 0.6600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1700	Pavement	C	
0.4500	Residential Lots	C	
0.0400	Open Space	C	

Comment:

Manual Basin: B-DS3

Scenario: Scenario1

Node: DS-03

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 0.2400 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1900	Pavement	C	
0.0500	Open Space	C	

Comment:

Manual Basin: B-DS30

Scenario: Scenario1

Node: DS-30

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 0.9700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1600	Pavement	C	
0.7600	Residential Lots	C	
0.0500	Open Space	C	

Comment:

Manual Basin: B-DS31

Scenario: Scenario1
Node: DS-31
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 0.9700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1600	Pavement	C	
0.7600	Residential Lots	C	
0.0500	Open Space	C	

Comment:

Manual Basin: B-DS33

Scenario: Scenario1
Node: DS-33
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 0.9800 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1700	Pavement	C	
0.7600	Residential Lots	C	
0.0500	Open Space	C	

Comment:

Manual Basin: B-DS34

Scenario: Scenario1
Node: DS-34
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 0.7000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1700	Pavement	C	
0.4700	Residential Lots	C	
0.0600	Open Space	C	

Comment:

Manual Basin: B-DS37

Scenario: Scenario1

Node: DS-37

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 1.9300 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.2500	Pavement	C	
1.6000	Residential Lots	C	
0.0800	Open Space	C	

Comment:

Manual Basin: B-DS38

Scenario: Scenario1

Node: DS-38

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 1.3500 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.2500	Pavement	C	
1.0000	Residential Lots	C	
0.1000	Open Space	C	

Comment:

Manual Basin: B-DS39

Scenario: Scenario1
 Node: DS-39
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH484
 Peaking Factor: 484.0
 Area: 1.6900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.2000	Pavement	C	
1.3700	Residential Lots	C	
0.1200	Open Space	C	

Comment:

Manual Basin: B-DS40

Scenario: Scenario1
 Node: DS-40
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH484
 Peaking Factor: 484.0
 Area: 0.7200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.2000	Pavement	C	
0.4400	Residential Lots	C	
0.0800	Open Space	C	

Comment:

Manual Basin: B-DS41

Scenario: Scenario1
 Node: DS-41
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 1.5800 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.2200	Pavement	C	
1.2300	Residential Lots	C	
0.1300	Open Space	C	

Comment:

Manual Basin: B-DS42

Scenario: Scenario1

Node: DS-42

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 0.8800 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.2200	Pavement	C	
0.5600	Residential Lots	C	
0.1000	Open Space	C	

Comment:

Manual Basin: B-DS44

Scenario: Scenario1

Node: DS-44

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 1.2900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1800	Pavement	C	
1.0100	Residential Lots	C	
0.1000	Open Space	C	

Comment:

Manual Basin: B-DS45

Scenario: Scenario1
Node: DS-45
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 0.7900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.4400	Residential Lots	C	
0.1800	Pavement	C	
0.1700	Open Space	C	

Comment:

Manual Basin: B-DS48

Scenario: Scenario1
Node: DS-48
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 0.1100 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1100	Open Space	C	

Comment:

Manual Basin: B-DS49

Scenario: Scenario1
Node: DS-49
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 0.6200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1500	Pavement	C	
0.4300	Residential Lots	C	
0.0400	Open Space	C	

Comment:

Manual Basin: B-DS50

Scenario: Scenario1
 Node: DS-50
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH484
 Peaking Factor: 484.0
 Area: 0.7100 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1500	Pavement	C	
0.5000	Residential Lots	C	
0.0600	Open Space	C	

Comment:

Manual Basin: B-DS54

Scenario: Scenario1
 Node: DS-54
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH484
 Peaking Factor: 484.0
 Area: 0.5400 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1500	Pavement	C	
0.3600	Residential Lots	C	
0.0300	Open Space	C	

Comment:

Manual Basin: B-DS55

Scenario: Scenario1
 Node: DS-55
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH484
 Peaking Factor: 484.0
 Area: 0.7000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1500	Pavement	C	
0.5000	Residential Lots	C	
0.0500	Open Space	C	

Comment:

Manual Basin: B-DS57

Scenario: Scenario1
 Node: DS-57
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH484
 Peaking Factor: 484.0
 Area: 1.0000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1700	Pavement	C	
0.7700	Residential Lots	C	
0.0600	Open Space	C	

Comment:

Manual Basin: B-DS58

Scenario: Scenario1
 Node: DS-58
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 1.0000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1700	Pavement	C	
0.7700	Residential Lots	C	
0.0600	Open Space	C	

Comment:

Manual Basin: B-DS59

Scenario: Scenario1

Node: DS-59

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 0.9900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1700	Pavement	C	
0.7700	Residential Lots	C	
0.0500	Open Space	C	

Comment:

Manual Basin: B-DS60

Scenario: Scenario1

Node: DS-60

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 0.7000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1700	Pavement	C	
0.4800	Residential Lots	C	
0.0500	Open Space	C	

Comment:

Manual Basin: B-DS61

Scenario: Scenario1
Node: DS-61
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 0.6400 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1300	Pavement	C	
0.4800	Residential Lots	C	
0.0300	Open Space	C	

Comment:

Manual Basin: B-DS62

Scenario: Scenario1
Node: DS-62
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 0.5000 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1300	Pavement	C	
0.3100	Residential Lots	C	
0.0600	Open Space	C	

Comment:

Manual Basin: B-DS65

Scenario: Scenario1
Node: DS-65
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 0.1600 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1300	Pavement	C	
0.0300	Open Space	C	

Comment:

Manual Basin: B-DS8

Scenario: Scenario1

Node: DS-08

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 0.2900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.1800	Pavement	C	
0.0600	Residential Lots	C	
0.0500	Open Space	C	

Comment:

Manual Basin: B-DS9

Scenario: Scenario1

Node: DS-09

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 0.4300 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.2100	Pavement	C	
0.1900	Residential Lots	C	
0.0300	Open Space	C	

Comment:

Manual Basin: B-POND1

Scenario: Scenario1
 Node: POND-1
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH484
 Peaking Factor: 484.0
 Area: 18.3200 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.1700	Residential Lots	C	
5.7000	Open Space	C	
10.4500	Pond	C	

Comment:

Manual Basin: B-POND2

Scenario: Scenario1
 Node: POND-2
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH484
 Peaking Factor: 484.0
 Area: 5.3900 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.0700	Residential Lots	C	
0.7600	Open Space	C	
2.5600	Pond	C	

Comment:

Manual Basin: B-POND3

Scenario: Scenario1
 Node: POND-3
 Hydrograph Method: NRCS Unit Hydrograph
 Infiltration Method: Curve Number
 Time of Concentration: 10.0000 min
 Max Allowable Q: 0.00 cfs
 Time Shift: 0.0000 hr
 Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 3.2800 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.9400	Residential Lots	C	
0.7000	Open Space	C	
0.6400	Pond	C	

Comment:

Manual Basin: B-POND4

Scenario: Scenario1

Node: POND-4

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 8.0100 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
0.6700	Residential Lots	C	
1.9600	Open Space	C	
5.3800	Pond	C	

Comment:

Manual Basin: B-WL1

Scenario: Scenario1

Node: WETLAND 1

Hydrograph Method: NRCS Unit Hydrograph

Infiltration Method: Curve Number

Time of Concentration: 10.0000 min

Max Allowable Q: 0.00 cfs

Time Shift: 0.0000 hr

Unit Hydrograph: UH484

Peaking Factor: 484.0

Area: 1.5700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
1.5700	Wetland	D	

Comment:

Manual Basin: B-WL2

Scenario: Scenario1
Node: WETLAND 2
Hydrograph Method: NRCS Unit Hydrograph
Infiltration Method: Curve Number
Time of Concentration: 10.0000 min
Max Allowable Q: 0.00 cfs
Time Shift: 0.0000 hr
Unit Hydrograph: UH484
Peaking Factor: 484.0
Area: 2.6700 ac

Area [ac]	Land Cover Zone	Soil Zone	Rainfall Name
2.6700	Wetland	D	

Comment:

Node: DS-10

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.42 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.42	0.0000	0

Comment:

Node: DS-12

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.08 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.08	0.0000	0

Comment:

Node: DS-13

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.08 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.08	0.0000	0

Comment:

Node: DS-15

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.95 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.95	0.0000	0

Comment:

Node: DS-16

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.74 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.74	0.0000	0

Comment:

Node: DS-17

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.09 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.09	0.0000	0

Comment:

Node: DS-18

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 18.00 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
18.00	0.0000	0

Comment:

Node: DS-20

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.09 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.09	0.0000	0

Comment:

Node: DS-21

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.09 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.09	0.0000	0

Comment:

Node: DS-23

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.62 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.62	0.0000	0

Comment:

Node: DS-24

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.62 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.62	0.0000	0

Comment:

Node: DS-25

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 16.14 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
16.14	0.0000	0

Comment:

Node: DS-30

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.36 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.36	0.0000	0

Comment:

Node: DS-31

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.36 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.36	0.0000	0

Comment:

Node: DS-32

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.84 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.84	0.0000	0

Comment:

Node: DS-33

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.42 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.42	0.0000	0

Comment:

Node: DS-34

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.42 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.42	0.0000	0

Comment:

Node: DS-35

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 15.88 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
15.88	0.0000	0

Comment:

Node: DS-37

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.58 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.58	0.0000	0

Comment:

Node: DS-38

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.56 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.56	0.0000	0

Comment:

Node: DS-39

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.18 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.18	0.0000	0

Comment:

Node: DS-40

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.18 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.18	0.0000	0

Comment:

Node: DS-41

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.42 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.41	0.0000	0

Comment:

Node: DS-42

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.42 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.41	0.0000	0

Comment:

Node: DS-44

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.09 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.08	0.0000	0

Comment:

Node: DS-45

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.09 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.08	0.0000	0

Comment:

Node: DS-46

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 18.00 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
18.00	0.0000	0

Comment:

Node: DS-48

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 18.16 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
18.16	0.0000	0

Comment:

Node: DS-49

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.48 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.48	0.0000	0

Comment:

Node: DS-50

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.45 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.45	0.0000	0

Comment:

Node: DS-53

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 15.45 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
15.45	0.0000	0

Comment:

Node: DS-54

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.25 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.25	0.0000	0

Comment:

Node: DS-55

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.25 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.25	0.0000	0

Comment:

Node: DS-57

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.36 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.36	0.0000	0

Comment:

Node: DS-58

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.36 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.36	0.0000	0

Comment:

Node: DS-59

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.42 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.42	0.0000	0

Comment:

Node: DS-60

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.42 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.42	0.0000	0

Comment:

Node: DS-61

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.37 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.40	0.0000	0

Comment:

Node: DS-62

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 17.37 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
17.40	0.0000	0

Comment:

Node: PLUCKEBAUM DITCH D/S

Scenario: Scenario1
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 9.00 ft
Warning Stage: 16.00 ft
Alert Stage: 0.00 ft
Boundary Stage: PLUCKEBAUM DITCH D/S

Comment:

Node: POND-1

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.00 ft
Warning Stage: 18.00 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.00	10.4500	455202
18.00	14.8700	647737

Comment:

Node: POND-2

Scenario: Scenario1

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.00 ft
Warning Stage: 18.00 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.00	2.5600	111514
18.00	3.3400	145490

Comment:

Node: POND-3

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.00 ft
Warning Stage: 18.00 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.00	0.6400	27878
18.00	1.0400	45302

Comment:

Node: POND-4

Scenario: Scenario1
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 13.00 ft
Warning Stage: 18.00 ft
Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
13.00	5.3800	234353
18.00	7.1600	311890

Comment:

Node: WETLAND 1

Scenario: Scenario1

Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 14.25 ft
 Warning Stage: 19.00 ft
 Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
14.25	1.1000	47916
18.00	1.6700	72745

Comment:

Node: WETLAND 2

Scenario: Scenario1
 Type: Stage/Area
 Base Flow: 0.00 cfs
 Initial Stage: 14.00 ft
 Warning Stage: 18.00 ft
 Alert Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
14.00	1.3200	57499
18.00	1.9600	85378

Comment:

Drop Structure Link: CS-1

Scenario: Scenario1
 From Node: POND-1
 To Node: PLUCKEBAUM DITCH
 D/S
 Link Count: 1
 Pipe Flow Direction: Both
 Solution: Combine
 Increments: 10
 Pipe Count: 1
 Damping: 0.0000 ft
 Length: 50.00 ft
 FHWA Code: 1
 Entr Loss Coef: 1
 Exit Loss Coef: 1
 Bend Loss Coef: 0
 Bend Location: 0.00 dec
 Energy Switch: Energy

Upstream Pipe

Invert: 11.50 ft
 Manning's N: 0.0120

Geometry: Circular

Max Depth: 2.50 ft

Downstream Pipe

Invert: 11.00 ft

Manning's N: 0.0120

Geometry: Circular

Max Depth: 2.50 ft

Bottom Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Top Clip

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Default: 0.00 ft

Op Table:

Ref Node:

Manning's N: 0.0000

Pipe Comment:

Weir Component	
Weir: 1	Bottom Clip
Weir Count: 1	Default: 0.00 ft
Weir Flow Direction: Both	Op Table:
Damping: 0.0000 ft	Ref Node:
Weir Type: Sharp Crested Vertical	Top Clip
Geometry Type: Rectangular	Default: 0.00 ft
Invert: 13.00 ft	Op Table:
Control Elevation: 13.00 ft	Ref Node:
Max Depth: 0.40 ft	Discharge Coefficients
Max Width: 2.60 ft	Weir Default: 3.200
Fillet: 0.00 ft	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Weir Comment:

Weir Component	
Weir: 2	Bottom Clip
Weir Count: 1	Default: 0.00 ft
Weir Flow Direction: Both	Op Table:
Damping: 0.0000 ft	Ref Node:
Weir Type: Sharp Crested Vertical	Top Clip
Geometry Type: Rectangular	Default: 0.00 ft
Invert: 13.40 ft	Op Table:
Control Elevation: 13.40 ft	Ref Node:
Max Depth: 4.40 ft	Discharge Coefficients
Max Width: 4.08 ft	Weir Default: 3.200
Fillet: 0.00 ft	Weir Table:
	Orifice Default: 0.600
	Orifice Table:

Weir Comment:

Drop Structure Comment:

Pipe Link: P-DS10-DS8	Upstream	Downstream
Scenario: Scenario1	Invert: 11.74 ft	Invert: 11.11 ft
From Node: DS-10	Manning's N: 0.0120	Manning's N: 0.0120
To Node: DS-08	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 63.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft

Bend Location: 0.00 dec
Energy Switch: Energy

Op Table:
Ref Node:
Manning's N: 0.0000

Op Table:
Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: P-DS12-DS13	Upstream	Downstream
Scenario: Scenario1	Invert: 5.30 ft	Invert: 5.30 ft
From Node: DS-12	Manning's N: 0.0120	Manning's N: 0.0120
To Node: DS-13	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 29.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: P-DS12-POND3	Upstream	Downstream
Scenario: Scenario1	Invert: 5.30 ft	Invert: 3.58 ft
From Node: DS-12	Manning's N: 0.0120	Manning's N: 0.0120
To Node: POND-3	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 172.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: P-DS13-POND4	Upstream	Downstream
Scenario: Scenario1	Invert: 5.30 ft	Invert: 3.59 ft
From Node: DS-13	Manning's N: 0.0120	Manning's N: 0.0120

To Node:	POND-4	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	171.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: P-DS15-DS16	Upstream	Downstream
Scenario: Scenario1	Invert: 11.00 ft	Invert: 10.33 ft
From Node: DS-15	Manning's N: 0.0120	Manning's N: 0.0120
To Node: DS-16	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 67.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000
Comment:		

Pipe Link: P-DS16-DS17	Upstream	Downstream
Scenario: Scenario1	Invert: 10.33 ft	Invert: 9.90 ft
From Node: DS-16	Manning's N: 0.0120	Manning's N: 0.0120
To Node: DS-17	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 43.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:

Manning's N: 0.0000

Manning's N: 0.0000

Comment:

Pipe Link: P-DS17-DS18		Upstream	Downstream
Scenario:	Scenario1	Invert: 9.40 ft	Invert: 8.00 ft
From Node:	DS-17	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-18	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	140.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: P-DS18-POND3		Upstream	Downstream
Scenario:	Scenario1	Invert: 8.00 ft	Invert: 7.48 ft
From Node:	DS-18	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	POND-3	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	52.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: P-DS2-DS3		Upstream	Downstream
Scenario:	Scenario1	Invert: 9.00 ft	Invert: 9.00 ft
From Node:	DS-02	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-03	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft

Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	26.00 ft	Op Table:	
FHWA Code:	1	Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000
Comment:			

Pipe Link:	P-DS2-POND1	Upstream	Downstream
Scenario:	Scenario1	Invert:	9.00 ft
From Node:	DS-02	Manning's N:	0.0120
To Node:	POND-1	Geometry:	Circular
Link Count:	1	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	102.00 ft	Op Table:	
FHWA Code:	1	Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000
Comment:			

Pipe Link:	P-DS20-DS21	Upstream	Downstream
Scenario:	Scenario1	Invert:	9.26 ft
From Node:	DS-20	Manning's N:	0.0120
To Node:	DS-21	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	26.00 ft	Op Table:	
FHWA Code:	1	Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000
Comment:			

Pipe Link: P-DS21-POND3		Upstream	Downstream
Scenario:	Scenario1	Invert: 9.00 ft	Invert: 7.28 ft
From Node:	DS-21	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	POND-3	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	172.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: P-DS23-DS24		Upstream	Downstream
Scenario:	Scenario1	Invert: 12.97 ft	Invert: 12.71 ft
From Node:	DS-23	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-24	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	26.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: P-DS24-DS25		Upstream	Downstream
Scenario:	Scenario1	Invert: 12.38 ft	Invert: 10.96 ft
From Node:	DS-24	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-25	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	142.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	0	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	

Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-DS25-POND3		Upstream	Downstream
Scenario:	Scenario1	Invert: 10.96 ft	Invert: 10.47 ft
From Node:	DS-25	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	POND-3	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	49.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: P-DS27-DS28		Upstream	Downstream
Scenario:	Scenario1	Invert: 13.64 ft	Invert: 12.91 ft
From Node:	DS-27	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-28	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	73.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: P-DS28-POND3		Upstream	Downstream
Scenario:	Scenario1	Invert: 12.91 ft	Invert: 12.17 ft

From Node:	DS-28	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND-3	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	74.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	P-DS3-DS4	Upstream		Downstream	
Scenario:	Scenario1	Invert:	9.00 ft	Invert:	9.00 ft
From Node:	DS-03	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	DS-4	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	37.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link:	P-DS30-DS31	Upstream		Downstream	
Scenario:	Scenario1	Invert:	12.86 ft	Invert:	12.60 ft
From Node:	DS-30	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	DS-31	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	26.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: P-DS31-DS32		Upstream	Downstream
Scenario:	Scenario1	Invert: 12.60 ft	Invert: 11.89 ft
From Node:	DS-31	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-32	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	71.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: P-DS32-DS33		Upstream	Downstream
Scenario:	Scenario1	Invert: 8.24 ft	Invert: 7.28 ft
From Node:	DS-32	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-33	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	193.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: P-DS33-DS34		Upstream	Downstream
Scenario:	Scenario1	Invert: 6.28 ft	Invert: 6.15 ft
From Node:	DS-33	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-34	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	26.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P-DS34-DS35		Upstream		Downstream	
Scenario:	Scenario1	Invert:	6.15 ft	Invert:	5.22 ft
From Node:	DS-34	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	DS-35	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	186.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P-DS35-POND2		Upstream		Downstream	
Scenario:	Scenario1	Invert:	4.22 ft	Invert:	4.07 ft
From Node:	DS-35	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND-2	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	4.00 ft	Max Depth:	4.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	30.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-DS37-DS38	Upstream	Downstream
Scenario: Scenario1	Invert: 9.90 ft	Invert: 9.46 ft
From Node: DS-37	Manning's N: 0.0120	Manning's N: 0.0120
To Node: DS-38	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 44.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: P-DS38-DS32	Upstream	Downstream
Scenario: Scenario1	Invert: 9.46 ft	Invert: 8.24 ft
From Node: DS-38	Manning's N: 0.0120	Manning's N: 0.0120
To Node: DS-32	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 144.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: P-DS39-DS40	Upstream	Downstream
Scenario: Scenario1	Invert: 11.70 ft	Invert: 11.44 ft
From Node: DS-39	Manning's N: 0.0120	Manning's N: 0.0120
To Node: DS-40	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	26.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P-DS4-POND4		Upstream	Downstream
Scenario:	Scenario1	Invert: 9.00 ft	Invert: 9.00 ft
From Node:	DS-4	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	POND-4	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	88.00 ft	Op Table:	
FHWA Code:	1	Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000
Comment:			

Pipe Link: P-DS40-DS35		Upstream	Downstream
Scenario:	Scenario1	Invert: 11.44 ft	Invert: 10.01 ft
From Node:	DS-40	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-35	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	143.00 ft	Op Table:	
FHWA Code:	1	Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000
Comment:			

Pipe Link: P-DS41-DS42		Upstream	Downstream
Scenario:	Scenario1	Invert: 10.44 ft	Invert: 10.18 ft
From Node:	DS-41	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-42	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	26.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: P-DS42-POND2		Upstream	Downstream
Scenario:	Scenario1	Invert: 9.68 ft	Invert: 7.96 ft
From Node:	DS-42	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	POND-2	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	172.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: P-DS44-DS45		Upstream	Downstream
Scenario:	Scenario1	Invert: 9.75 ft	Invert: 9.49 ft
From Node:	DS-44	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-45	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	26.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	

Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-DS45-DS46		Upstream	Downstream
Scenario:	Scenario1	Invert: 9.49 ft	Invert: 8.42 ft
From Node:	DS-45	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-46	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	107.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: P-DS46-POND1		Upstream	Downstream
Scenario:	Scenario1	Invert: 7.92 ft	Invert: 7.26 ft
From Node:	DS-46	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	POND-1	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	66.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: P-DS48-DS46		Upstream	Downstream
Scenario:	Scenario1	Invert: 12.66 ft	Invert: 12.05 ft

From Node:	DS-48	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	DS-46	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	61.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-DS49-DS50		Upstream		Downstream	
Scenario:	Scenario1	Invert:	12.97 ft	Invert:	12.70 ft
From Node:	DS-49	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	DS-50	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	27.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-DS50-POND1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	12.70 ft	Invert:	10.98 ft
From Node:	DS-50	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND-1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	172.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	

Energy Switch: Energy

Ref Node:
Manning's N: 0.0000Ref Node:
Manning's N: 0.0000

Comment:

Pipe Link: P-DS53-POND2		Upstream	Downstream
Scenario:	Scenario1	Invert: 6.63 ft	Invert: 6.11 ft
From Node:	DS-53	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	POND-2	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	52.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: P-DS54-DS53		Upstream	Downstream
Scenario:	Scenario1	Invert: 10.46 ft	Invert: 9.01 ft
From Node:	DS-54	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-53	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 3.50 ft	Max Depth: 3.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	145.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: P-DS55-DS54		Upstream	Downstream
Scenario:	Scenario1	Invert: 10.20 ft	Invert: 10.46 ft
From Node:	DS-55	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-54	Geometry: Circular	Geometry: Circular

Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000	Default:	0.00 ft	Default:	0.00 ft
Length:	26.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P-DS55-POND1		Upstream		Downstream	
Scenario:	Scenario1	Invert:	10.20 ft	Invert:	8.48 ft
From Node:	DS-55	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	POND-1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	172.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Pipe Link: P-DS57-DS58		Upstream		Downstream	
Scenario:	Scenario1	Invert:	13.36 ft	Invert:	13.10 ft
From Node:	DS-57	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	DS-58	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	26.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-DS58-DS59	Upstream	Downstream
Scenario: Scenario1	Invert: 13.10 ft	Invert: 10.46 ft
From Node: DS-58	Manning's N: 0.0120	Manning's N: 0.0120
To Node: DS-59	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 264.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: P-DS59-DS60	Upstream	Downstream
Scenario: Scenario1	Invert: 8.26 ft	Invert: 8.00 ft
From Node: DS-59	Manning's N: 0.0120	Manning's N: 0.0120
To Node: DS-60	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction: Both	Bottom Clip	
Damping: 0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length: 26.00 ft	Op Table:	Op Table:
FHWA Code: 1	Ref Node:	Ref Node:
Entr Loss Coef: 1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef: 1	Top Clip	
Bend Loss Coef: 0	Default: 0.00 ft	Default: 0.00 ft
Bend Location: 0.00 dec	Op Table:	Op Table:
Energy Switch: Energy	Ref Node:	Ref Node:
	Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: P-DS60-DS53	Upstream	Downstream
Scenario: Scenario1	Invert: 8.00 ft	Invert: 6.63 ft
From Node: DS-60	Manning's N: 0.0120	Manning's N: 0.0120
To Node: DS-53	Geometry: Circular	Geometry: Circular
Link Count: 1	Max Depth: 3.00 ft	Max Depth: 3.00 ft
Flow Direction: Both	Bottom Clip	

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	137.00 ft	Op Table:		Op Table:	
FHWA Code:	1	Ref Node:		Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip			
Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-DS61-DS62		Upstream	Downstream
Scenario:	Scenario1	Invert: 11.90 ft	Invert: 11.64 ft
From Node:	DS-61	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-62	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	26.00 ft	Op Table:	
FHWA Code:	1	Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000

Comment:

Pipe Link: P-DS62-POND1		Upstream	Downstream
Scenario:	Scenario1	Invert: 11.64 ft	Invert: 9.92 ft
From Node:	DS-62	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	POND-1	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Length:	172.00 ft	Op Table:	
FHWA Code:	1	Ref Node:	
Entr Loss Coef:	1	Manning's N:	0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:	
Energy Switch:	Energy	Ref Node:	
		Manning's N:	0.0000

Comment:

Pipe Link: P-DS64-DS65		Upstream	Downstream
Scenario:	Scenario1	Invert: 11.86 ft	Invert: 11.63 ft
From Node:	DS-63	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-65	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	26.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: P-DS65-POND1		Upstream	Downstream
Scenario:	Scenario1	Invert: 11.63 ft	Invert: 10.96 ft
From Node:	DS-65	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	POND-1	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	67.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000
Comment:			

Pipe Link: P-DS7-DS4		Upstream	Downstream
Scenario:	Scenario1	Invert: 10.24 ft	Invert: 9.19 ft
From Node:	DS-7	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-4	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.50 ft	Max Depth: 2.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	164.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	

Bend Loss Coef:	0	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 dec	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Pipe Link: P-DS8-DS7		Upstream	Downstream
Scenario:	Scenario1	Invert: 10.61 ft	Invert: 10.24 ft
From Node:	DS-08	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-7	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 2.00 ft	Max Depth: 2.00 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	94.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Pipe Link: P-DS9-DS8		Upstream	Downstream
Scenario:	Scenario1	Invert: 11.58 ft	Invert: 11.32 ft
From Node:	DS-09	Manning's N: 0.0120	Manning's N: 0.0120
To Node:	DS-08	Geometry: Circular	Geometry: Circular
Link Count:	1	Max Depth: 1.50 ft	Max Depth: 1.50 ft
Flow Direction:	Both	Bottom Clip	
Damping:	0.0000 ft	Default: 0.00 ft	Default: 0.00 ft
Length:	26.00 ft	Op Table:	Op Table:
FHWA Code:	1	Ref Node:	Ref Node:
Entr Loss Coef:	1	Manning's N: 0.0000	Manning's N: 0.0000
Exit Loss Coef:	1	Top Clip	
Bend Loss Coef:	0	Default: 0.00 ft	Default: 0.00 ft
Bend Location:	0.00 dec	Op Table:	Op Table:
Energy Switch:	Energy	Ref Node:	Ref Node:
		Manning's N: 0.0000	Manning's N: 0.0000

Comment:

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning	Alert Stage	Max Stage	Min/Max	Max Total	Max Total	Max Surface
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Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-10	100Y	17.42	0.00	17.28	0.0010	9.27	9.17	100
DS-10	10Y	17.42	0.00	14.69	0.0010	5.14	5.10	100
DS-10	25Y	17.42	0.00	15.51	0.0010	6.64	6.59	100
DS-10	ANN	17.42	0.00	14.24	0.0010	3.25	3.22	100

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-12	100Y	17.08	0.00	15.83	0.0513	102.76	32.76	236
DS-12	10Y	17.08	0.00	14.49	0.0513	102.76	22.51	236
DS-12	25Y	17.08	0.00	14.97	0.0513	102.76	26.63	236
DS-12	ANN	17.08	0.00	14.24	0.0513	102.76	16.30	236

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-13	100Y	17.08	0.00	15.57	0.0514	102.87	39.53	232
DS-13	10Y	17.08	0.00	14.50	0.0514	102.87	26.64	233
DS-13	25Y	17.08	0.00	14.81	0.0514	102.87	31.75	232
DS-13	ANN	17.08	0.00	14.24	0.0514	102.87	19.33	233

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-15	100Y	17.95	0.00	20.25	0.0008	8.53	8.35	100
DS-15	10Y	17.95	0.00	15.77	0.0010	4.68	4.60	100
DS-15	25Y	17.95	0.00	17.19	0.0010	6.08	5.97	100
DS-15	ANN	17.95	0.00	14.34	0.0010	2.93	2.88	100

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-16	100Y	17.74	0.00	19.36	0.0010	20.88	20.73	133

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-16	10Y	17.74	0.00	15.50	0.0010	11.51	11.43	133
DS-16	25Y	17.74	0.00	16.74	0.0010	14.93	14.84	133
DS-16	ANN	17.74	0.00	14.24	0.0010	7.21	7.17	133

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-17	100Y	17.09	0.00	18.05	0.0010	29.23	29.09	230
DS-17	10Y	17.09	0.00	15.11	0.0010	16.16	16.09	230
DS-17	25Y	17.09	0.00	16.07	0.0010	20.94	20.85	230
DS-17	ANN	17.09	0.00	14.23	0.0010	10.17	10.13	230

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-18	100Y	18.00	0.00	16.69	0.0223	44.72	28.97	356
DS-18	10Y	18.00	0.00	14.71	0.0223	44.72	16.03	356
DS-18	25Y	18.00	0.00	15.39	0.0223	44.72	20.76	356
DS-18	ANN	18.00	0.00	14.23	0.0223	44.72	10.08	356

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-20	100Y	17.09	0.00	19.19	0.0010	15.64	15.47	100
DS-20	10Y	17.09	0.00	15.47	0.0010	8.70	8.63	100
DS-20	25Y	17.09	0.00	16.66	0.0010	11.23	11.13	100
DS-20	ANN	17.09	0.00	14.23	0.0010	5.52	5.48	100

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-21	100Y	17.09	0.00	18.53	0.0096	23.91	23.77	193
DS-21	10Y	17.09	0.00	15.26	0.0096	19.16	13.26	196

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-21	25Y	17.09	0.00	16.32	0.0096	19.16	17.10	196
DS-21	ANN	17.09	0.00	14.23	0.0096	19.16	8.42	196

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-23	100Y	17.62	0.00	17.98	0.0005	9.21	9.06	100
DS-23	10Y	17.62	0.00	15.10	0.0005	5.13	5.06	100
DS-23	25Y	17.62	0.00	16.05	0.0005	6.62	6.52	100
DS-23	ANN	17.62	0.00	14.23	0.0003	3.26	3.22	100

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-24	100Y	17.62	0.00	17.23	0.0010	15.19	15.06	158
DS-24	10Y	17.62	0.00	14.87	0.0010	8.48	8.41	158
DS-24	25Y	17.62	0.00	15.66	0.0010	10.93	10.84	158
DS-24	ANN	17.62	0.00	14.23	0.0010	5.40	5.36	158

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-25	100Y	16.14	0.00	16.38	0.0048	15.06	14.94	262
DS-25	10Y	16.14	0.00	14.67	0.0048	9.56	8.34	262
DS-25	25Y	16.14	0.00	15.26	0.0048	10.84	10.75	262
DS-25	ANN	16.14	0.00	14.23	0.0048	9.56	5.32	262

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-30	100Y	17.36	0.00	22.13	0.0010	9.03	8.75	100
DS-30	10Y	17.36	0.00	16.52	0.0008	5.02	4.91	100
DS-30	25Y	17.36	0.00	18.31	0.0009	6.48	6.32	100

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-30	ANN	17.36	0.00	14.72	-0.0008	3.19	3.12	100

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-31	100Y	17.36	0.00	21.92	0.0010	17.71	17.49	114
DS-31	10Y	17.36	0.00	16.45	0.0010	9.92	9.82	114
DS-31	25Y	17.36	0.00	18.20	-0.0010	12.77	12.64	114
DS-31	ANN	17.36	0.00	14.69	0.0010	6.31	6.25	114

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-32	100Y	17.84	0.00	21.52	0.0010	47.33	47.17	590
DS-32	10Y	17.84	0.00	16.32	0.0010	26.52	26.44	590
DS-32	25Y	17.84	0.00	17.99	0.0010	34.16	34.05	590
DS-32	ANN	17.84	0.00	14.65	0.0010	16.87	16.81	590

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-33	100Y	17.42	0.00	19.66	0.0013	56.17	56.02	557
DS-33	10Y	17.42	0.00	15.75	0.0012	31.49	31.40	546
DS-33	25Y	17.42	0.00	17.03	0.0013	40.55	40.44	552
DS-33	ANN	17.42	0.00	14.42	0.0013	20.03	19.97	538

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-34	100Y	17.42	0.00	18.81	-0.0014	62.44	62.29	368
DS-34	10Y	17.42	0.00	15.49	-0.0012	34.99	34.91	368
DS-34	25Y	17.42	0.00	16.59	-0.0011	45.06	44.96	368
DS-34	ANN	17.42	0.00	14.32	-0.0012	22.26	22.21	368

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-35	100Y	15.88	0.00	17.28	0.0786	157.35	84.01	606
DS-35	10Y	15.88	0.00	15.10	0.0786	157.35	47.00	606
DS-35	25Y	15.88	0.00	15.82	0.0786	157.35	60.57	606
DS-35	ANN	15.88	0.00	14.24	0.0786	157.35	29.86	606

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-37	100Y	17.58	0.00	23.96	0.0010	17.97	17.62	100
DS-37	10Y	17.58	0.00	17.09	0.0010	10.00	9.87	100
DS-37	25Y	17.58	0.00	19.25	-0.0010	12.91	12.71	100
DS-37	ANN	17.58	0.00	14.95	0.0010	6.34	6.27	100

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-38	100Y	17.56	0.00	23.01	0.0010	30.12	29.85	255
DS-38	10Y	17.56	0.00	16.79	0.0010	16.82	16.71	255
DS-38	25Y	17.56	0.00	18.76	0.0010	21.69	21.53	255
DS-38	ANN	17.56	0.00	14.83	0.0010	10.68	10.62	255

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-39	100Y	17.18	0.00	18.66	0.0009	15.67	15.48	100
DS-39	10Y	17.18	0.00	15.43	0.0008	8.69	8.59	100
DS-39	25Y	17.18	0.00	16.50	0.0009	11.24	11.11	100
DS-39	ANN	17.18	0.00	14.29	0.0008	5.49	5.43	100

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-40	100Y	17.18	0.00	18.02	0.0010	22.14	21.96	217
DS-40	10Y	17.18	0.00	15.25	0.0010	12.29	12.20	214
DS-40	25Y	17.18	0.00	16.18	0.0010	15.89	15.76	215
DS-40	ANN	17.18	0.00	14.24	0.0010	7.77	7.72	210

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-41	100Y	17.42	0.00	19.24	0.0014	14.64	14.45	100
DS-41	10Y	17.42	0.00	15.60	0.0010	8.11	8.02	100
DS-41	25Y	17.42	0.00	16.78	0.0011	10.49	10.36	100
DS-41	ANN	17.42	0.00	14.35	0.0010	5.12	5.06	100

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-42	100Y	17.42	0.00	18.67	0.0076	22.58	22.41	174
DS-42	10Y	17.42	0.00	15.43	0.0076	15.38	12.44	175
DS-42	25Y	17.42	0.00	16.49	0.0076	16.20	16.08	175
DS-42	ANN	17.42	0.00	14.29	0.0076	15.38	7.86	175

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-44	100Y	17.09	0.00	18.63	0.0010	11.96	11.85	100
DS-44	10Y	17.09	0.00	15.07	0.0010	6.63	6.59	100
DS-44	25Y	17.09	0.00	16.19	0.0010	8.57	8.51	100
DS-44	ANN	17.09	0.00	14.24	0.0010	4.19	4.17	100

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-45	100Y	17.09	0.00	17.30	0.0010	19.05	18.98	139

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-45	10Y	17.09	0.00	14.66	0.0009	10.54	10.50	139
DS-45	25Y	17.09	0.00	15.50	0.0010	13.65	13.60	139
DS-45	ANN	17.09	0.00	14.24	0.0010	6.63	6.61	139

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-46	100Y	18.00	0.00	15.82	0.0150	29.98	19.80	190
DS-46	10Y	18.00	0.00	14.50	0.0150	29.98	10.89	194
DS-46	25Y	18.00	0.00	14.74	0.0150	29.98	14.15	192
DS-46	ANN	18.00	0.00	14.24	0.0150	29.98	6.81	196

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-48	100Y	18.16	0.00	15.83	0.0010	0.91	0.95	100
DS-48	10Y	18.16	0.00	14.50	0.0010	0.44	0.47	100
DS-48	25Y	18.16	0.00	14.75	0.0010	0.61	0.62	100
DS-48	ANN	18.16	0.00	14.24	0.0010	0.35	0.25	100

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-49	100Y	17.48	0.00	15.54	0.0007	5.77	5.73	100
DS-49	10Y	17.48	0.00	14.50	0.0003	3.21	3.21	100
DS-49	25Y	17.48	0.00	14.71	0.0003	4.15	4.11	100
DS-49	ANN	17.48	0.00	14.24	-0.0004	2.04	2.04	100

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-50	100Y	17.45	0.00	15.33	0.0010	12.31	12.27	180
DS-50	10Y	17.45	0.00	14.50	0.0010	6.87	6.86	179

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-50	25Y	17.45	0.00	14.71	0.0010	8.84	8.81	179
DS-50	ANN	17.45	0.00	14.24	0.0010	4.36	4.35	179

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-53	100Y	15.45	0.00	16.66	0.0484	97.10	40.80	629
DS-53	10Y	15.45	0.00	14.91	0.0484	97.10	28.47	612
DS-53	25Y	15.45	0.00	15.56	0.0484	97.10	33.37	619
DS-53	ANN	15.45	0.00	14.24	0.0484	97.10	21.20	599

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-54	100Y	17.25	0.00	16.04	0.0014	42.71	42.70	293
DS-54	10Y	17.25	0.00	14.61	0.0013	29.69	29.67	293
DS-54	25Y	17.25	0.00	15.14	0.0014	34.84	34.82	293
DS-54	ANN	17.25	0.00	14.24	-0.0013	22.12	22.11	293

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-55	100Y	17.25	0.00	15.56	0.0124	46.10	46.07	353
DS-55	10Y	17.25	0.00	14.50	0.0124	31.87	31.85	342
DS-55	25Y	17.25	0.00	14.83	0.0124	37.48	37.45	347
DS-55	ANN	17.25	0.00	14.24	0.0124	24.79	23.64	336

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-57	100Y	17.36	0.00	20.14	-0.0010	9.30	9.09	100
DS-57	10Y	17.36	0.00	15.88	-0.0010	5.17	5.07	100
DS-57	25Y	17.36	0.00	17.26	-0.0010	6.68	6.54	100

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-57	ANN	17.36	0.00	14.50	-0.0004	3.28	3.24	100

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-58	100Y	17.36	0.00	19.92	-0.0010	18.35	18.17	226
DS-58	10Y	17.36	0.00	15.81	-0.0010	10.23	10.15	229
DS-58	25Y	17.36	0.00	17.14	-0.0010	13.20	13.08	227
DS-58	ANN	17.36	0.00	14.45	0.0004	6.51	6.47	237

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-59	100Y	17.42	0.00	17.71	0.0010	27.34	27.19	131
DS-59	10Y	17.42	0.00	15.14	0.0010	15.26	15.18	131
DS-59	25Y	17.42	0.00	16.01	0.0010	19.68	19.57	131
DS-59	ANN	17.42	0.00	14.24	0.0010	9.72	9.67	131

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-60	100Y	17.42	0.00	16.96	0.0010	33.67	33.52	254
DS-60	10Y	17.42	0.00	14.96	0.0010	18.80	18.71	248
DS-60	25Y	17.42	0.00	15.64	0.0010	24.23	24.14	251
DS-60	ANN	17.42	0.00	14.24	0.0010	11.97	11.92	243

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-61	100Y	17.37	0.00	15.35	0.0011	5.96	5.92	100
DS-61	10Y	17.37	0.00	14.50	0.0010	3.32	3.30	100
DS-61	25Y	17.37	0.00	14.71	0.0010	4.29	4.26	100
DS-61	ANN	17.37	0.00	14.24	0.0010	2.11	2.10	100

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
DS-62	100Y	17.37	0.00	15.33	0.0022	10.54	10.51	188
DS-62	10Y	17.37	0.00	14.50	0.0022	5.86	5.84	189
DS-62	25Y	17.37	0.00	14.71	0.0022	7.57	7.54	189
DS-62	ANN	17.37	0.00	14.24	0.0022	4.35	3.70	189

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
PLUCKEBAU M DITCH D/S	100Y	16.00	0.00	15.00	0.0001	30.09	0.00	0
PLUCKEBAU M DITCH D/S	10Y	16.00	0.00	15.00	-0.0001	16.11	15.13	0
PLUCKEBAU M DITCH D/S	25Y	16.00	0.00	15.00	0.0001	21.44	11.83	0
PLUCKEBAU M DITCH D/S	ANN	16.00	0.00	15.00	-0.0001	11.04	17.56	0

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND-1	100Y	18.00	0.00	15.33	-0.0060	296.58	110.83	592803
POND-1	10Y	18.00	0.00	14.50	-0.0060	179.15	110.83	569662
POND-1	25Y	18.00	0.00	14.71	-0.0060	227.55	110.83	575418
POND-1	ANN	18.00	0.00	14.24	-0.0060	117.57	110.83	562379

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND-2	100Y	18.00	0.00	16.94	-0.1346	148.31	269.82	96899
POND-2	10Y	18.00	0.00	15.06	-0.1346	81.64	269.82	85550
POND-2	25Y	18.00	0.00	15.75	-0.1346	105.32	269.82	89723

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND-2	ANN	18.00	0.00	14.24	-0.1346	51.77	269.82	80632

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND-3	100Y	18.00	0.00	16.20	-0.0552	104.52	176.23	67721
POND-3	10Y	18.00	0.00	14.63	-0.0552	57.98	176.23	59957
POND-3	25Y	18.00	0.00	15.20	-0.0552	75.01	176.23	62794
POND-3	ANN	18.00	0.00	14.23	-0.0552	36.66	176.23	58001

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
POND-4	100Y	18.00	0.00	15.45	-0.0439	101.74	150.19	175689
POND-4	10Y	18.00	0.00	14.50	-0.0439	59.65	150.19	166145
POND-4	25Y	18.00	0.00	14.75	-0.0439	74.97	150.19	168678
POND-4	ANN	18.00	0.00	14.24	-0.0439	38.95	150.19	163545

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
WETLAND 1	100Y	19.00	0.00	15.33	0.0002	23.42	14.37	55049
WETLAND 1	10Y	19.00	0.00	14.50	0.0000	8.32	8.27	49582
WETLAND 1	25Y	19.00	0.00	14.71	0.0001	10.71	10.65	50941
WETLAND 1	ANN	19.00	0.00	14.26	0.0000	5.34	5.30	48011

Node Max Conditions [Scenario1]

Node Name	Sim Name	Warning Stage [ft]	Alert Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
WETLAND 2	100Y	18.00	0.00	15.85	0.0001	25.30	0.00	70418
WETLAND 2	10Y	18.00	0.00	15.08	0.0001	14.15	0.00	64999
WETLAND 2	25Y	18.00	0.00	15.36	0.0001	18.21	0.00	67012
WETLAND 2	ANN	18.00	0.00	14.71	0.0001	9.09	0.00	62422

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CS-1 - Pipe	100Y	30.09	0.00	0.04	0.00	0.00	0.00
CS-1 - Weir: 1	100Y	4.76	0.00	0.02	4.58	4.58	4.58
CS-1 - Weir: 2	100Y	25.98	0.00	0.05	3.31	3.31	3.31
CS-1 - Pipe	10Y	16.11	-15.13	0.03	0.00	0.00	0.00
CS-1 - Weir: 1	10Y	4.76	-2.70	-0.01	4.58	4.58	4.58
CS-1 - Weir: 2	10Y	11.55	-12.43	0.02	3.04	3.04	3.04
CS-1 - Pipe	25Y	21.44	-11.83	0.03	0.00	0.00	0.00
CS-1 - Weir: 1	25Y	4.76	-1.98	-0.01	4.58	4.58	4.58
CS-1 - Weir: 2	25Y	17.04	-9.84	0.02	3.21	3.21	3.21
CS-1 - Pipe	ANN	11.04	-17.56	0.02	0.00	0.00	0.00
CS-1 - Weir: 1	ANN	4.06	-3.60	0.01	3.90	3.90	3.90
CS-1 - Weir: 2	ANN	7.52	-13.96	0.01	-2.80	-2.80	-2.80

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS10-DS8	100Y	9.17	-1.32	-0.28	5.19	5.19	5.19
P-DS10-DS8	10Y	5.10	-1.05	0.28	2.88	2.88	2.88
P-DS10-DS8	25Y	6.59	-1.13	-0.29	3.73	3.73	3.73
P-DS10-DS8	ANN	3.22	-0.83	-0.22	1.82	-2.70	1.82

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS12-DS13	100Y	32.76	-19.37	4.07	3.41	-4.90	-3.73
P-DS12-DS13	10Y	22.51	-19.34	4.08	-3.02	-4.90	-3.73
P-DS12-DS13	25Y	26.63	-19.35	4.14	-3.02	-4.90	-3.73
P-DS12-DS13	ANN	16.30	-19.33	-3.93	-3.02	-4.90	-3.73

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS12-POND 3	100Y	3.45	-102.76	2.52	-10.68	-11.40	-11.04
P-DS12-POND 3	10Y	2.79	-102.76	-2.38	-10.68	-11.40	-11.04
P-DS12-POND 3	25Y	2.68	-102.76	-2.42	-10.68	-11.40	-11.04
P-DS12-POND 3	ANN	2.59	-102.76	-2.31	-10.68	-11.40	-11.04

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS13-POND 4	100Y	39.53	-102.87	2.56	-10.69	-11.41	-11.05
P-DS13-POND 4	10Y	26.64	-102.87	2.43	-10.69	-11.41	-11.05
P-DS13-POND 4	25Y	31.75	-102.87	-2.49	-10.69	-11.41	-11.05
P-DS13-POND 4	ANN	19.09	-102.87	2.40	-10.69	-11.41	-11.05

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS15-DS16	100Y	8.35	-0.45	0.23	4.73	4.73	4.73
P-DS15-DS16	10Y	4.60	-0.84	-0.24	2.60	-2.70	2.60
P-DS15-DS16	25Y	5.97	-0.58	-0.24	3.38	3.38	3.38
P-DS15-DS16	ANN	2.88	-0.87	0.22	1.63	-2.73	1.63

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS16-DS17	100Y	20.73	-1.37	0.89	6.60	6.60	6.60
P-DS16-DS17	10Y	11.43	-0.93	-0.86	3.64	3.64	3.64
P-DS16-DS17	25Y	14.84	-1.10	-0.89	4.72	4.72	4.72

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS16-DS17	ANN	7.17	-0.86	0.84	2.28	-2.48	2.28

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS17-DS18	100Y	29.09	-1.40	-1.48	5.93	5.93	5.93
P-DS17-DS18	10Y	16.09	-1.03	-1.45	3.28	3.28	3.28
P-DS17-DS18	25Y	20.85	-1.25	1.47	4.25	4.25	4.25
P-DS17-DS18	ANN	10.13	-0.89	-1.33	2.06	-2.45	2.06

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS18-POND 3	100Y	28.97	-44.72	-1.22	-9.11	-9.70	-9.41
P-DS18-POND 3	10Y	16.03	-44.72	-1.21	-9.11	-9.70	-9.41
P-DS18-POND 3	25Y	20.76	-44.72	-1.22	-9.11	-9.70	-9.41
P-DS18-POND 3	ANN	10.08	-44.72	-1.16	-9.11	-9.70	-9.41

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS2-DS3	100Y	5.04	-17.08	3.66	1.86	3.89	2.88
P-DS2-DS3	10Y	4.81	-11.33	-3.70	1.84	3.84	2.84
P-DS2-DS3	25Y	4.89	-13.42	3.64	1.85	3.86	2.85
P-DS2-DS3	ANN	5.36	-8.64	-3.69	1.82	3.82	2.82

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS2-POND1	100Y	17.31	-46.65	2.44	-4.85	-7.60	-6.23
P-DS2-POND1	10Y	11.51	-46.65	2.47	-4.85	-7.60	-6.23
P-DS2-POND1	25Y	13.64	-46.65	2.47	-4.85	-7.60	-6.23
P-DS2-POND1	ANN	8.34	-46.65	-2.48	-4.85	-7.60	-6.23

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS20-DS21	100Y	15.47	-1.64	-0.55	4.92	4.92	4.92
P-DS20-DS21	10Y	8.63	-0.95	0.41	2.75	2.75	2.75
P-DS20-DS21	25Y	11.13	-1.18	-0.40	3.54	3.54	3.54
P-DS20-DS21	ANN	5.48	-0.74	0.33	1.74	-2.50	1.74

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS21-POND3	100Y	23.77	-19.16	0.35	7.57	7.57	7.57
P-DS21-POND3	10Y	13.26	-19.16	0.35	-6.10	-7.22	-6.66
P-DS21-POND3	25Y	17.10	-19.16	0.35	-6.10	-7.22	-6.66
P-DS21-POND3	ANN	8.42	-19.16	0.35	-6.10	-7.22	-6.66

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS23-DS24	100Y	9.06	-0.03	0.17	5.13	5.13	5.13
P-DS23-DS24	10Y	5.06	-0.02	0.14	2.86	2.86	2.86
P-DS23-DS24	25Y	6.52	-0.03	-0.13	3.69	3.69	3.69
P-DS23-DS24	ANN	3.22	-0.02	-0.16	2.59	2.26	2.42

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS24-DS25	100Y	15.06	-1.20	-0.38	4.79	4.79	4.79
P-DS24-DS25	10Y	8.41	-1.19	-0.33	2.68	-2.83	2.68
P-DS24-DS25	25Y	10.84	-1.19	0.33	3.45	3.45	3.45
P-DS24-DS25	ANN	5.36	-1.18	0.50	2.13	-2.83	1.88

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS25-POND 3	100Y	14.94	-9.56	0.42	4.75	-5.41	4.75
P-DS25-POND 3	10Y	8.34	-9.56	0.43	-3.04	-5.41	-4.21
P-DS25-POND 3	25Y	10.75	-9.56	0.42	3.42	-5.41	-4.21
P-DS25-POND 3	ANN	5.32	-9.56	0.44	-3.04	-5.41	-4.21

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS27-DS28	100Y	2.77	0.00	0.94	1.99	0.88	1.33
P-DS27-DS28	10Y	1.57	0.00	-0.92	2.06	0.83	1.41
P-DS27-DS28	25Y	1.99	0.00	0.93	2.03	0.75	1.36
P-DS27-DS28	ANN	1.02	0.00	-0.02	1.84	0.96	1.37

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS28-POND 3	100Y	2.64	-0.03	-0.72	0.84	0.84	0.84
P-DS28-POND 3	10Y	1.47	-0.03	-0.75	0.77	0.47	0.59
P-DS28-POND 3	25Y	1.90	-0.03	0.74	0.69	0.61	0.62
P-DS28-POND 3	ANN	0.96	-0.04	0.06	0.90	0.36	0.62

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS3-DS4	100Y	2.05	-16.88	3.84	-1.75	3.01	2.19
P-DS3-DS4	10Y	4.69	-11.05	-3.75	1.32	2.68	1.94
P-DS3-DS4	25Y	3.67	-13.31	-4.07	1.40	2.81	2.05
P-DS3-DS4	ANN	5.28	-9.24	-4.07	1.19	2.45	1.77

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS30-DS31	100Y	8.75	-0.12	1.10	2.78	2.78	2.78
P-DS30-DS31	10Y	4.91	-0.11	1.13	1.56	1.56	1.56
P-DS30-DS31	25Y	6.32	-0.11	1.14	2.01	2.01	2.01
P-DS30-DS31	ANN	3.12	-0.10	0.95	1.54	-1.51	1.28

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS31-DS32	100Y	17.49	-0.62	1.85	3.56	3.56	3.56
P-DS31-DS32	10Y	9.82	-0.60	1.77	2.00	-2.28	2.00
P-DS31-DS32	25Y	12.64	-0.60	-1.75	2.57	2.57	2.57
P-DS31-DS32	ANN	6.25	-0.59	-1.79	1.76	-2.28	1.36

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS32-DS33	100Y	47.17	-2.44	2.34	6.67	6.67	6.67
P-DS32-DS33	10Y	26.44	-1.83	2.29	3.74	3.74	3.74
P-DS32-DS33	25Y	34.05	-2.01	2.31	4.82	4.82	4.82
P-DS32-DS33	ANN	16.81	-1.64	2.18	2.38	-2.64	2.38

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS33-DS34	100Y	56.02	-2.87	-4.14	5.82	5.82	5.82
P-DS33-DS34	10Y	31.40	-2.81	4.09	3.26	3.26	3.26
P-DS33-DS34	25Y	40.44	-2.64	4.11	4.20	4.20	4.20
P-DS33-DS34	ANN	19.97	-2.57	-3.89	2.08	2.08	2.08

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS34-DS35	100Y	62.29	-3.08	3.12	6.47	6.47	6.47
P-DS34-DS35	10Y	34.91	-2.91	3.15	3.63	3.63	3.63
P-DS34-DS35	25Y	44.96	-2.76	3.17	4.67	4.67	4.67
P-DS34-DS35	ANN	22.21	-2.67	3.06	2.31	-2.79	2.31

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS35-POND 2	100Y	84.01	-157.35	-3.50	-12.52	-12.88	-12.70
P-DS35-POND 2	10Y	47.00	-157.35	-3.54	-12.52	-12.88	-12.70
P-DS35-POND 2	25Y	60.57	-157.35	-3.46	-12.52	-12.88	-12.70
P-DS35-POND 2	ANN	29.86	-157.35	-3.41	-12.52	-12.88	-12.70

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS37-DS38	100Y	17.62	-1.93	-0.70	5.61	5.61	5.61
P-DS37-DS38	10Y	9.87	-1.49	-0.71	3.14	3.14	3.14
P-DS37-DS38	25Y	12.71	-1.62	-0.74	4.05	4.05	4.05
P-DS37-DS38	ANN	6.27	-1.28	-0.69	2.00	-2.88	2.00

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS38-DS32	100Y	29.85	-2.24	-1.33	6.08	6.08	6.08
P-DS38-DS32	10Y	16.71	-1.66	-1.29	3.40	3.40	3.40
P-DS38-DS32	25Y	21.53	-1.90	-1.31	4.39	4.39	4.39
P-DS38-DS32	ANN	10.62	-1.39	-1.30	2.16	-2.84	2.16

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS39-DS40	100Y	15.48	-1.10	-0.70	4.93	4.93	4.93
P-DS39-DS40	10Y	8.59	-0.75	-0.82	2.73	2.73	2.73
P-DS39-DS40	25Y	11.11	-0.87	0.77	3.54	3.54	3.54
P-DS39-DS40	ANN	5.43	-0.55	-0.88	1.73	-2.31	1.73

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS4-POND4	100Y	8.29	-47.32	-2.65	-4.92	-7.66	-6.28
P-DS4-POND4	10Y	4.14	-47.32	-2.53	-4.92	-7.66	-6.28
P-DS4-POND4	25Y	5.22	-47.32	3.03	-4.92	-7.66	-6.28
P-DS4-POND4	ANN	4.42	-47.32	-2.83	-4.92	-7.66	-6.28

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS40-DS35	100Y	21.96	-1.86	-1.31	4.47	4.47	4.47
P-DS40-DS35	10Y	12.20	-1.31	1.26	2.48	-2.80	2.48
P-DS40-DS35	25Y	15.76	-1.55	1.33	3.21	3.21	3.21
P-DS40-DS35	ANN	7.72	-1.10	1.21	1.57	-2.67	1.57

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS41-DS42	100Y	14.45	-2.79	0.51	4.60	4.60	4.60

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS41-DS42	10Y	8.02	-1.83	0.49	2.55	-3.18	2.55
P-DS41-DS42	25Y	10.36	-2.03	-0.48	3.30	3.30	3.30
P-DS41-DS42	ANN	5.06	-1.50	-0.41	1.61	-3.01	-1.97

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS42-POND 2	100Y	22.41	-15.38	0.90	7.13	7.13	7.13
P-DS42-POND 2	10Y	12.44	-15.38	0.90	-4.90	-6.50	-5.69
P-DS42-POND 2	25Y	16.08	-15.38	0.90	5.12	-6.50	-5.69
P-DS42-POND 2	ANN	7.86	-15.38	0.90	-4.90	-6.50	-5.69

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS44-DS45	100Y	11.85	-1.69	0.13	6.70	6.70	6.70
P-DS44-DS45	10Y	6.59	-1.31	-0.13	3.73	3.73	3.73
P-DS44-DS45	25Y	8.51	-1.49	-0.13	4.82	4.82	4.82
P-DS44-DS45	ANN	4.17	-1.03	0.10	2.36	-2.87	2.36

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS45-DS46	100Y	18.98	-1.99	-0.31	6.04	6.04	6.04
P-DS45-DS46	10Y	10.50	-1.89	0.30	3.34	3.34	3.34
P-DS45-DS46	25Y	13.60	-1.93	0.32	4.33	4.33	4.33
P-DS45-DS46	ANN	6.61	-1.85	-0.26	2.10	-3.27	2.10

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg
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Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS46-POND 1	100Y	19.80	-29.98	0.22	-9.54	-9.84	-9.69
P-DS46-POND 1	10Y	10.89	-29.98	-0.20	-9.54	-9.84	-9.69
P-DS46-POND 1	25Y	14.15	-29.98	-0.21	-9.54	-9.84	-9.69
P-DS46-POND 1	ANN	6.81	-29.98	0.16	-9.54	-9.84	-9.69

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS48-DS46	100Y	0.95	-0.38	-0.38	0.54	-2.19	-1.24
P-DS48-DS46	10Y	0.47	-0.36	-0.43	-0.30	-2.16	-1.22
P-DS48-DS46	25Y	0.62	-0.37	-0.44	0.35	-2.17	-1.23
P-DS48-DS46	ANN	0.25	-0.35	0.03	-0.29	-2.15	-1.21

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS49-DS50	100Y	5.73	-0.05	-0.31	3.24	3.24	3.24
P-DS49-DS50	10Y	3.21	-0.04	0.22	2.19	1.94	2.06
P-DS49-DS50	25Y	4.11	-0.04	0.16	2.33	2.33	2.33
P-DS49-DS50	ANN	2.04	-0.04	-0.05	2.12	1.60	1.84

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS50-POND 1	100Y	12.27	-0.33	0.12	3.91	3.91	3.91
P-DS50-POND 1	10Y	6.86	-0.32	-0.11	3.09	2.18	2.64
P-DS50-POND 1	25Y	8.81	-0.33	0.11	3.13	2.80	2.94
P-DS50-POND 1	ANN	4.35	-0.32	-0.05	2.71	-2.00	2.05

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS53-POND 2	100Y	3.31	-97.10	3.24	-10.09	-10.96	-10.52
P-DS53-POND 2	10Y	2.75	-97.10	3.24	-10.09	-10.96	-10.52
P-DS53-POND 2	25Y	2.90	-97.10	3.24	-10.09	-10.96	-10.52
P-DS53-POND 2	ANN	2.79	-97.10	3.24	-10.09	-10.96	-10.52

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS54-DS53	100Y	3.82	-40.80	-3.32	-4.24	5.02	-4.24
P-DS54-DS53	10Y	3.00	-28.47	-3.17	-2.96	4.47	3.26
P-DS54-DS53	25Y	2.66	-33.37	-3.30	-3.47	4.73	-3.47
P-DS54-DS53	ANN	3.27	-21.20	-3.14	-2.20	4.15	3.03

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS55-DS54	100Y	3.82	-42.70	3.88	-4.44	-4.44	-4.44
P-DS55-DS54	10Y	3.11	-29.67	-3.75	-3.08	-3.08	-3.08
P-DS55-DS54	25Y	2.63	-34.82	3.59	-3.62	-3.62	-3.62
P-DS55-DS54	ANN	3.49	-22.11	-3.49	-2.31	2.49	-2.30

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS55-POND 1	100Y	46.07	-24.79	2.34	4.79	-6.13	4.79
P-DS55-POND 1	10Y	31.85	-24.79	2.24	3.31	-6.13	-4.35
P-DS55-POND 1	25Y	37.45	-24.79	2.31	3.89	-6.13	-4.35
P-DS55-POND 1	ANN	23.64	-24.79	2.22	-2.58	-6.13	-4.35

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
1							

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS57-DS58	100Y	9.09	0.00	1.19	2.89	2.89	2.89
P-DS57-DS58	10Y	5.07	0.00	1.10	2.00	1.61	1.68
P-DS57-DS58	25Y	6.54	0.00	1.12	2.08	2.08	2.08
P-DS57-DS58	ANN	3.24	0.00	-0.04	1.98	1.52	1.70

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS58-DS59	100Y	18.17	0.00	0.47	5.79	5.79	5.79
P-DS58-DS59	10Y	10.15	-0.01	-0.39	3.23	3.23	3.23
P-DS58-DS59	25Y	13.08	0.00	0.48	4.16	4.16	4.16
P-DS58-DS59	ANN	6.47	-0.02	0.13	3.04	2.06	2.55

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS59-DS60	100Y	27.19	-1.69	1.66	5.54	5.54	5.54
P-DS59-DS60	10Y	15.18	-1.16	-1.67	3.09	3.09	3.09
P-DS59-DS60	25Y	19.57	-1.38	-1.69	3.99	3.99	3.99
P-DS59-DS60	ANN	9.67	-0.89	-1.61	1.97	-2.54	1.97

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS60-DS53	100Y	33.52	-2.21	2.55	4.74	4.74	4.74
P-DS60-DS53	10Y	18.71	-1.58	2.58	2.65	-2.85	2.65
P-DS60-DS53	25Y	24.14	-1.81	2.52	3.41	3.41	3.41
P-DS60-DS53	ANN	11.92	-1.24	-2.10	1.69	-2.68	1.69

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS61-DS62	100Y	5.92	-2.04	0.27	3.35	-3.48	3.35
P-DS61-DS62	10Y	3.30	-1.60	0.24	1.87	-3.24	-2.17
P-DS61-DS62	25Y	4.26	-1.74	0.18	2.41	-3.32	2.41
P-DS61-DS62	ANN	2.10	-1.32	0.12	1.19	-3.07	-2.03

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS62-POND 1	100Y	10.51	-4.35	-0.19	3.34	-4.18	3.34
P-DS62-POND 1	10Y	5.84	-4.35	-0.18	1.86	-4.18	-2.78
P-DS62-POND 1	25Y	7.54	-4.35	-0.14	2.40	-4.18	-2.78
P-DS62-POND 1	ANN	3.70	-4.35	-0.10	-1.39	-4.18	-2.78

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS64-DS65	100Y	5.92	-2.10	0.37	3.35	-3.51	3.35
P-DS64-DS65	10Y	3.30	-1.62	0.52	1.87	-3.26	-2.21
P-DS64-DS65	25Y	4.26	-1.78	0.26	2.41	-3.34	2.41
P-DS64-DS65	ANN	2.10	-1.31	0.46	1.19	-3.06	-2.05

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS65-POND 1	100Y	7.37	-4.78	-0.51	2.35	-4.30	-2.91
P-DS65-POND 1	10Y	4.11	-4.78	-0.69	-1.52	-4.30	-2.91
P-DS65-POND 1	25Y	5.30	-4.78	-0.38	1.69	-4.30	-2.91
P-DS65-POND 1	ANN	2.62	-4.78	-0.68	-1.52	-4.30	-2.91

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
1							

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS7-DS4	100Y	19.05	-1.87	1.41	3.88	3.88	3.88
P-DS7-DS4	10Y	10.59	-1.34	1.34	2.16	-2.67	2.16
P-DS7-DS4	25Y	13.65	-1.53	1.41	2.78	-2.80	2.78
P-DS7-DS4	ANN	6.71	-1.02	1.38	1.37	-2.49	-1.37

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS8-DS7	100Y	15.74	-1.89	-0.85	5.01	5.01	5.01
P-DS8-DS7	10Y	8.78	-1.35	0.79	2.80	2.80	2.80
P-DS8-DS7	25Y	11.32	-1.54	0.83	3.60	3.60	3.60
P-DS8-DS7	ANN	5.59	-1.02	0.73	1.78	-2.28	1.78

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P-DS9-DS8	100Y	3.95	-1.25	0.43	2.23	-3.02	2.23
P-DS9-DS8	10Y	2.22	-0.92	-0.36	1.26	-2.78	-1.80
P-DS9-DS8	25Y	2.85	-1.04	-0.36	1.61	-2.87	-1.87
P-DS9-DS8	ANN	1.43	-0.71	-0.33	0.81	-2.59	-1.65

Link Min/Max Conditions [Scenario1]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Wetland 1 Connector	100Y	14.37	-8.89	-0.16	-0.14	-0.14	-0.14
Wetland 1 Connector	10Y	8.27	-1.09	-0.02	-0.01	-0.01	-0.01

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Wetland 1 Connector	25Y	10.65	-4.61	-0.12	-0.07	-0.07	-0.07
Wetland 1 Connector	ANN	5.30	0.00	-0.01	0.00	0.00	0.00



APPENDIX D
EXCERPTS FROM LAKESIDE PALMS WEST STORMWATER REPORT
(PREPARED BY MORGAN & ASSOCIATES)

PREDEVELOPMENT
 Lakeside Palms Subdivision Into Clearlake Ditch to Rockpond
 4/29/21

15.0	1.1400
15.5	1.6900
16.0	3.0000

Name: PLB-200	Base Flow(cfs): 0.000	Init Stage(ft): 9.000
Group: BASE		Warn Stage(ft): 16.000
Type: Time/Stage		

FLUCKEBAUM DITCH NODE

Time(hrs)	Stage(ft)
0.00	9.0
14.00	12.0
24.00	15.0
36.00	12.0

Name: TRI-100-RCKPnd	Base Flow(cfs): 0.000	Init Stage(ft): 11.000
Group: BASE		Warn Stage(ft): 17.000
Type: Stage/Area		

ROCKPOND Node

Stage(ft)	Area(ac)
9.0	30.0000
11.1	35.1000
12.0	37.4000
15.0	44.1300
16.0	50.5600
17.0	67.1800
18.0	128.4600

Name: TRI-200	Base Flow(cfs): 0.000	Init Stage(ft): 11.100
Group: BASE		Warn Stage(ft): 17.000
Type: Stage/Area		

OUTFALL NODE FROM ROCKPOND BEFORE THE BOX CULVERT
 NODE NAME MATCHES BC NATURAL RESOURCES
 WEST COCOA WATERSHED EVALUATION ICPR MODEL

Stage(ft)	Area(ac)
9.4	0.1000
18.0	0.1000

==== Pipes =====

Name: CLKRD-TRI100-P1	From Node: CLK RD ROW	Length(ft): 42.00
Group: BASE	To Node: TRI-100-RCKPnd	Count: 1
UPSTREAM	DOWNSIDE	Friction Equation: Automatic
Geometry: Circular	Circular	Solution Algorithm: Most Restrictive
Span(in): 60.00	60.00	Flow: Both
Rise(in): 60.00	60.00	Entrance Loss Coef: 0.00
Invert(ft): 9.280	9.250	Exit Loss Coef: 1.00
Manning's N: 0.012000	0.012000	Bend Loss Coef: 0.00
Top Clip(in): 0.000	0.000	Outlet Ctrl Spec: Use dc or tw
Bot Clip(in): 0.000	0.000	Inlet Ctrl Spec: Use dc
		Stabilizer Option: None

Upstream FHWA Inlet Edge Description:
 Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
 Circular Concrete: Square edge w/ headwall

Culvert at Clearlake into RockPond (1 of 2)

Name: CLKRD-TRI100-P2	From Node: CLK RD ROW	Length(ft): 42.00
-----------------------	-----------------------	-------------------



APPENDIX E

SOIL BORINGS DATA

**Preserve at Pluckebaum
Soil Boring Elevations**

Soil boring data based on existing conditions survey and soils report prepared by Universal Engineering Sciences, LLC project number 0330.2200036.0000 dated April 13, 2022.

Borings related to proposed perimeter stormwater areas.

Soil Boring ID	Existing Ground Elevation (ft - NAVD88)	Existing Groundwater Measurement		Estimated WSHWT Elevation (ft - NAVD88)
		distance bls (feet)	elevation (ft - NAVD88)	
<i>B-1</i>	<i>14</i>	<i>-0.3</i>	<i>13.7</i>	<i>14.7</i>
<i>B-2</i>	<i>14</i>	<i>-0.2</i>	<i>13.8</i>	<i>14.8</i>
<i>B-3</i>	<i>14</i>	<i>-0.1</i>	<i>13.9</i>	<i>14.9</i>
B-4	14	-0.4	13.6	14.6
B-5	14.18	-0.2	13.98	14.98
B-6	13.51	-0.2	13.31	14.31
B-7	14.72	-1	13.72	14.72
<i>B-8</i>	<i>14.2</i>	<i>-2.2</i>	<i>12</i>	<i>13</i>
B-9	14.54	0	14.54	15.54
B-10	16.65	0	16.65	17.65
T-1	14.5	-1.8	12.7	13.7
T-2	15.2	-1.4	13.8	14.8
T-3	14.1	-1.3	12.8	13.8
T-4	14.3	-0.7	13.6	14.6
<i>T-5</i>	<i>15.19</i>	<i>-2.8</i>	<i>12.39</i>	<i>13.39</i>
T-6	16.65	-1.8	14.85	15.85
T-7	15	-1.3	13.7	14.7
T-8	16.2	-1.8	14.4	15.4

Preserve at Pluckebaum
Soil Boring Elevations

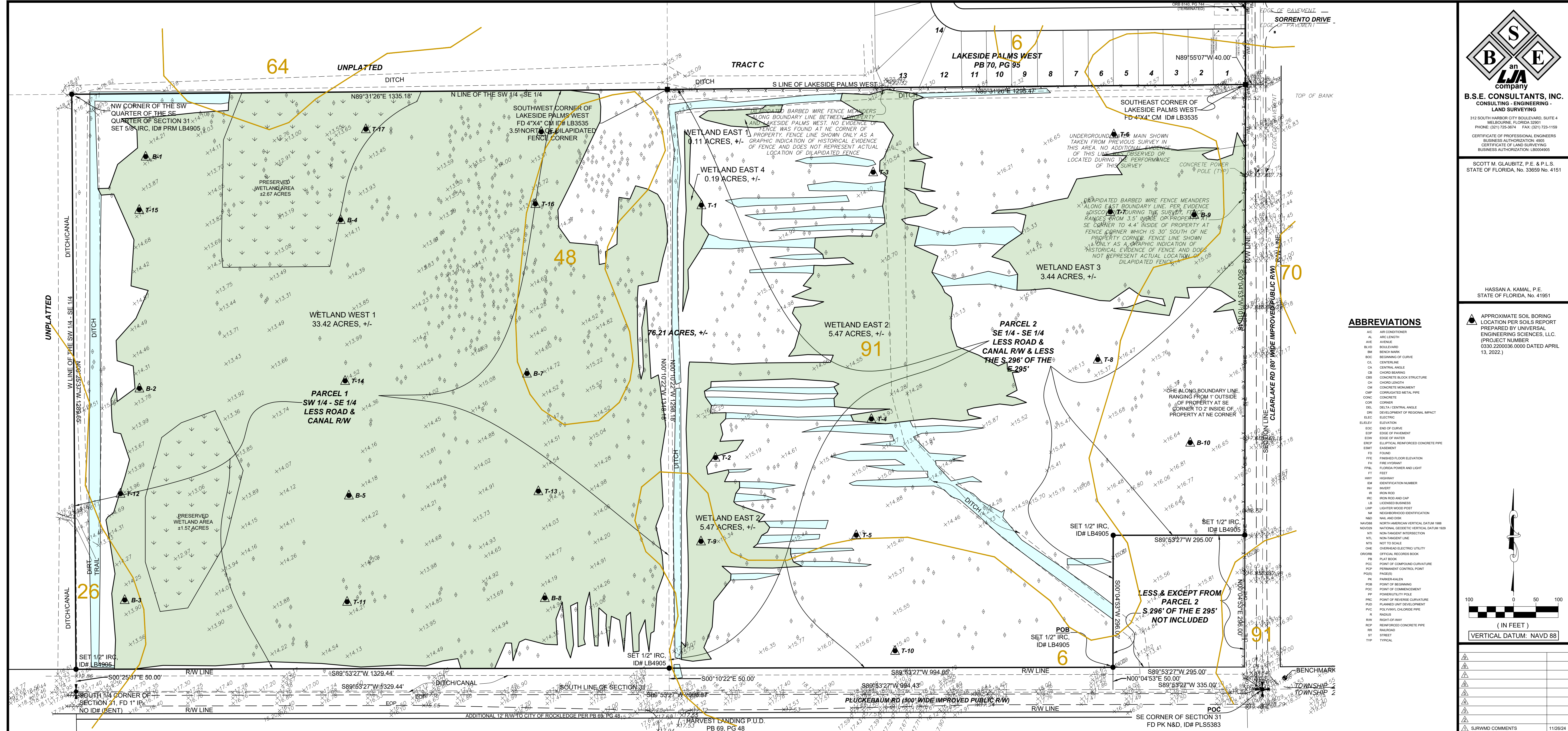
Soil boring data based on existing conditions survey and soils report prepared by Universal Engineering Sciences, LLC project number 0330.2200036.0000 dated April 13, 2022.

Borings related to proposed perimeter stormwater areas.

Soil Boring ID	Existing Ground Elevation (ft - NAVD88)	Existing Groundwater Measurement		Estimated WSHWT Elevation (ft - NAVD88)
		distance bls (feet)	elevation (ft - NAVD88)	
T-9	15.3	-0.8	14.5	15.5
<i>T-10</i>	<i>15.4</i>	<i>-3.6</i>	<i>11.8</i>	<i>12.8</i>
<i>T-11</i>	<i>14.2</i>	<i>-1.9</i>	<i>12.3</i>	<i>13.3</i>
<i>T-12</i>	<i>14</i>	<i>0</i>	<i>14</i>	<i>15</i>
T-13	14.5	-0.5	14	15
T-14	14.52	-0.4	14.12	15.12
<i>T-15</i>	<i>14</i>	<i>0</i>	<i>14</i>	<i>15</i>
T-16	13.76	-1.3	12.46	13.46
T-17	13.65	-0.1	13.55	14.55

The normal water level (NWL) of the interconnected stormwater system was set at elevation 13 feet NAVD88. Elevation 13 ft is consistent with elevations of the preserved wetland areas and promotes hydration without overinnudating (refer to the blue highlighted borings above) and is generally 2 feet below the existing land elevation for a majority of the site.

H:\Projects_Folder\116382_2012\dwg\116382_401.dwg March 20, 2025 9:14:52 AM



SOILS RESOURCE REPORT MAP TABLE			
MAP UNIT SYMBOL	MAP UNIT NAME	ACRES IN AOI	PERCENT OF AOI
6	BASINGER SAND, DEPRESSIONAL	19.9	19.8%
26	HOLOPAW SAND, 0 TO 2 PERCENT SLOPES	2.8	2.7%
48	DELRAY SAND, OCCASIONALLY FLOODED	3.7	3.7%
64	TERRA CEIA MUCK, FREQUENTLY FLOODED	2.1	2.1%
70	VALKARIA SAND	0.2	0.2%
91	ANCOLTE SAND	72.1	71.6%
TOTALS FOR AREA OF INTEREST		100.7	100.0%

FLOOD ZONE INFORMATION:
THIS PROPERTY IS LOCATED IN FLOOD ZONE AE, WITH A BASE FLOOD ELEVATION 17 (NAVD88) PER THE FIRM FLOOD INSURANCE RATE MAP FOR CITY OF COCOA, FLORIDA, PANEL 425 OF 825, MAP NUMBER: 12009C0425G, MAP REVISED: MARCH 17, 2014

WETLAND AND STORM WATER IMPACT AND PRESERVATION

WETLAND WEST 1 AREA= ±33.42 ACRES IMPACT= ±29.18 ACRES (87%) PRESERVED= ±4.24 ACRES
WETLAND EAST 1 AREA= ±0.11 ACRES IMPACT= ±0.11 ACRES (100%) PRESERVED= 0 ACRES
WETLAND EAST 2 AREA= ±5.47 ACRES IMPACT= ±5.47 ACRES (100%) PRESERVED= 0 ACRES
WETLAND EAST 3 AREA= ±3.44 ACRES IMPACT= ±3.44 ACRES (100%) RESERVED= 0 ACRES
WETLAND EAST 4 AREA= ±0.19 ACRES IMPACT= ±0.19 ACRES (100%) PRESERVED= 0 ACRES
TOTAL WETLAND AREA: AREA= ±42.63 ACRES IMPACTED= ±38.39 ACRES PRESERVED= ±4.26 ACRES
OTHER SURFACE WATER TOTAL AREA= ±3.57 ACRES TOTAL IMPACT= ±3.57 ACRES (100%) TOTAL PRESERVED= 0 ACRES

- TREE LEGEND**
- PALM TREE
 - PINE TREE
 - OAK TREE
 - CYPRESS TREE
 - GUAVA TREE
 - UNKNOWN TREE

- LEGEND**
- EXISTING WETLAND (± 42.63 ACERS)
 - OSW (OTHER SURFACE WATER) (± 3.57 ACERS)



B.S.E. CONSULTANTS, INC.
CONSULTING ENGINEERING - LAND SURVEYING
312 SOUTH HARBOR CITY BOULEVARD, SUITE 4
MELBOURNE, FLORIDA 32901
PHONE: (321) 725-2674 FAX: (321) 723-1159
CERTIFICATE OF PROFESSIONAL ENGINEERS
BUSINESS AUTHORIZATION: 4305
CERTIFICATE OF LAND SURVEYING
BUSINESS AUTHORIZATION: LB004905

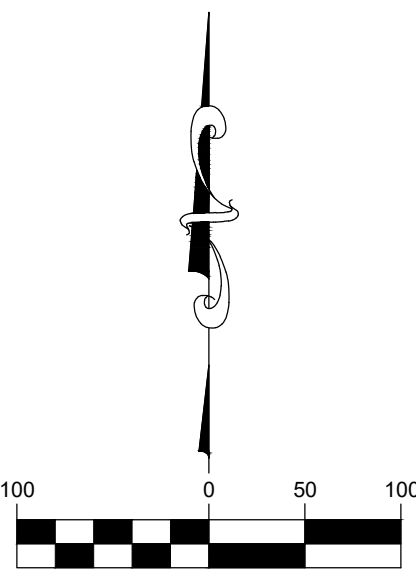
SCOTT M. GLAUBITZ, P.E. & P.L.S.
STATE OF FLORIDA, No. 33659 No. 4151

HASSAN A. KAMAL, P.E.
STATE OF FLORIDA, No. 41951

APPROXIMATE SOIL BORING
LOCATION PER SOILS REPORT
PREPARED BY UNIVERSAL
ENGINEERING SCIENCES, LLC.
(PROJECT NUMBER:
0330.2200386.0000 DATED APRIL
13, 2022.)

ABBREVIATIONS

- ACC AIR CONDITIONER
AL ANGLE
AVE AVENUE
BLVD BOULEVARD
BM BENCHMARK
BOC BEGINNING OF CURVE
CL CENTERLINE
CA CENTRAL ANGLE
CB CHORD BEARING
CBS CONCRETE BLOCK STRUCTURE
CH CHORD LENGTH
CM CONCRETE MOUNTAIN
CMP CORRUGATED METAL PIPE
CONC CONCRETE
COR CORNER
DEL DELTA / CENTRAL ANGLE
DEI DEVELOPMENT OF REGIONAL IMPACT
ELEC ELECTRIC
ELEV ELEVATION
EOC END OF CURVE
EOP EDGE OF PAVEMENT
EOW EDGE OF WATER
EROP ELLIPTICAL REINFORCED CONCRETE PIPE
EWM EASEMENT
FD FOUND
FFE FINISHED FLOOR ELEVATION
FH FIRE HYDRANT
FPL FLORIDA POWER AND LIGHT
FT FEET
Hwy HIGHWAY
IDW IDENTIFICATION NUMBER
INCH INCH
IR IRON ROD
IRC IRON ROD AND CAP
LB LICENSED BUSINESS
LWP LIGHTER WOOD POST
NA NORTH AMERICAN VERTICAL DATUM 1988
NAVD88 NORTH AMERICAN VERTICAL DATUM 1988
NTI NON-TANGENT INTERSECTION
NTL NON-TANGENT LINE
NTS NOT TO SCALE
ONE OVERHEAD ELECTRIC UTILITY
OROW OFFICIAL RECORD BOOK
PB PLAT BOOK
PC POINT OF COMPOUND CURVATURE
PCP PERMANENT CONTROL POINT
PDS PAGES
PK PAVEMENT KILOMETER
POB POINT OF BEGINNING
POC POINT OF COMMENCEMENT
PP POWER/UTILITY POLE
PRC POINT OF REVERSE CURVATURE
PRD PLANNED UNIT DEVELOPMENT
PVC POLYVINYL CHLORIDE PIPE
R RADIUS
RW RIGHT-OF-WAY
RCP REINFORCED CONCRETE PIPE
RAIL RAILROAD
ST STREET
TYP TYPICAL



VERTICAL DATUM: NAVD 88

DATE:	2/14/25
DESIGN/DRAWN:	ALS/VDP

PROJECT TITLE

PRESERVE AT PLUCKEBAUM

SHEET TITLE

**EXISTING
CONDITIONS PLAN**

PROJECT NO.

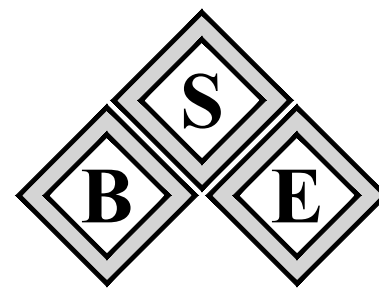
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SHEET

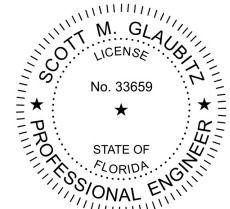
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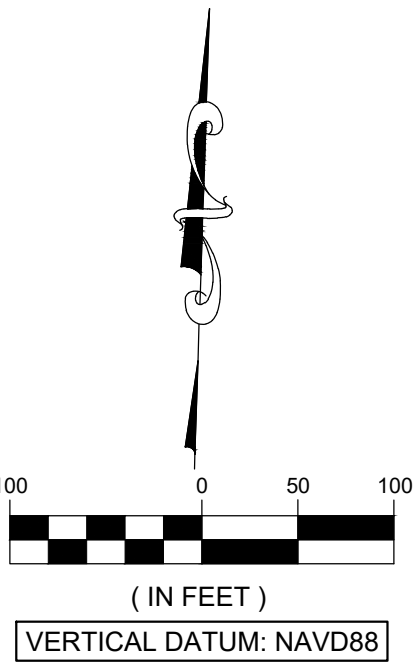
312 SOUTH HARBOR CITY BOULEVARD, SUITE 4
MELBOURNE, FLORIDA 32901
PHONE: (321) 723-3674 FAX: (321) 723-1159
CERTIFICATE OF PROFESSIONAL ENGINEERS
BUSINESS AUTHORIZATION: 4905
CERTIFICATE OF LAND SURVEYING
BUSINESS AUTHORIZATION: LB000405

SCOTT M. GLAUBITZ, P.E. & P.L.S.
STATE OF FLORIDA, No. 33659 No. 4151



Digitally signed by
Scott M. Glaubitz
Date: 2024.11.22
16:30:07 -05'00'

HASSAN A. KAMAL, P.E.
STATE OF FLORIDA, No. 41951



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△	
△	

DATE: 11/18/2024
DESIGN/DRAWN: ALS/VDP

PROJECT TITLE

**PRESERVE AT
PLUCKEBAUM**

SHEET TITLE

**FIRE TRUCK TURN
RADIUS EXHIBIT**

PROJECT NO.

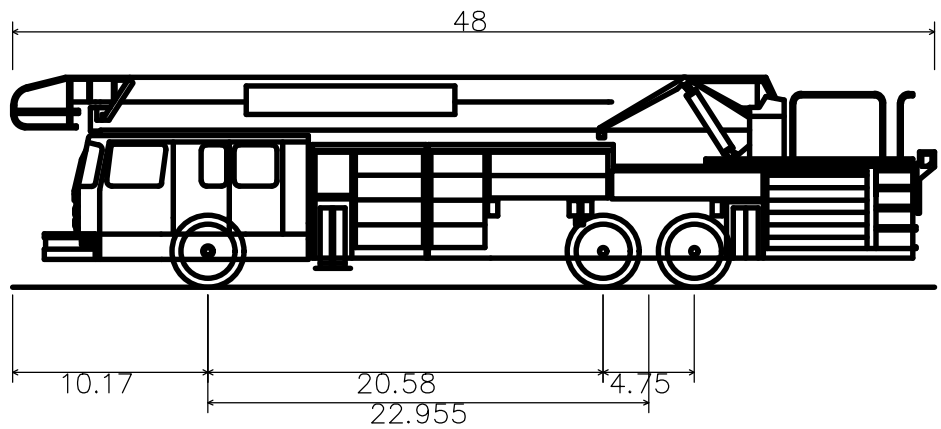
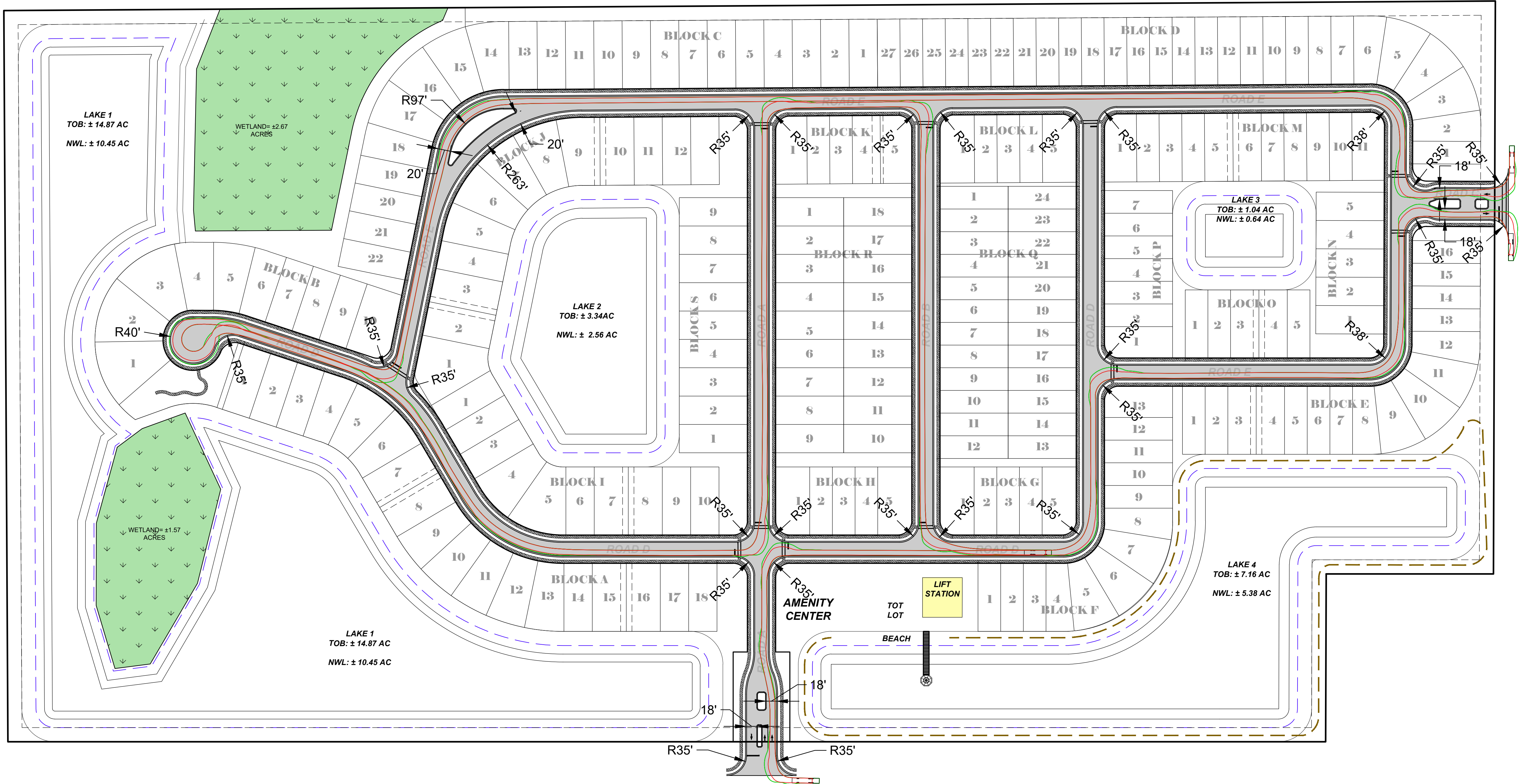
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SHEET

1 of 1



Default - Ladder Truck
Overall Length 48.000ft
Overall Width 10.17ft
Overall Body Height 20.58ft
Min Body Ground Clearance 22.955ft
Track Width 4.75ft
Lock-to-lock time 37.750ft
Curb to Curb Turning Radius

Pluckebaum Residential

Traffic Impact Analysis

City of Cocoa, FL

November 2023

Kimley»Horn

TRAFFIC IMPACT ANALYSIS

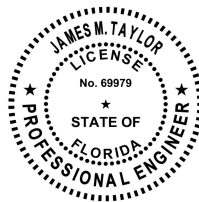
Pluckebaum Residential

City of Cocoa, FL

Prepared by:

Kimley-Horn and Associates, Inc.

November 2023



This document has been digitally signed and sealed by James M. Taylor, P.E. on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

cn=James M Taylor, c=US,
o=KIMLEY-HORN AND
ASSOCIATES INC,
email=james.taylor@kimley-
horn.com
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05'00'

Table of Contents

1.0	INTRODUCTION.....	1
1.1	Study Area	1
2.0	FUTURE LAND USE	3
3.0	EXISTING CONDITIONS ANALYSIS.....	3
3.1	Existing Traffic Counts.....	3
3.2	Existing Roadway Segment Conditions.....	3
3.3	Existing Intersection Conditions	4
4.0	DEVELOPMENT TRAFFIC.....	8
4.1	Trip Generation.....	8
4.2	Trip Distribution	10
4.3	Trip Assignment.....	10
5.0	BACKGROUND CONDITIONS ANALYSIS – YEAR 2025	13
5.1	Background Traffic	13
5.2	Background Roadway Segment Analysis.....	13
5.3	Background Intersection Analysis	15
6.0	BUILDOUT CONDITIONS ANALYSIS – YEAR 2025.....	18
6.1	Buildout Roadway Segment Analysis.....	18
6.2	Buildout Intersection Analysis	20
6.3	Buildout Ingress Turn Lane Analysis.....	26
7.0	CONCLUSION.....	27

Figures

Figure 1: Project Location & Study Area.....	2
Figure 2: Project Trip Distribution	11
Figure 3: Project Trip Assignment	12
Figure 4: AM Peak Hour Buildout Intersection Volumes	24
Figure 5: PM Peak Hour Buildout Intersection Volumes	25

Tables

Table 1: Existing Roadway Segment Analysis (Daily)	5
Table 2: Existing Roadway Segment Analysis (PM Peak Hour)	5
Table 3: Existing Intersection Conditions (AM Peak Hour)	6
Table 4: Existing Intersection Conditions (PM Peak Hour)	7
Table 5: Trip Generation	9
Table 6: Background Roadway Segment Analysis (Daily)	14
Table 7: Background Roadway Segment Analysis (PM Peak Hour)	14
Table 8: Background Intersection Conditions (AM Peak Hour)	16
Table 9: Background Intersection Conditions (PM Peak Hour)	17
Table 10: Buildout Roadway Segment Analysis (Daily)	19
Table 11: Buildout Roadway Segment Analysis (PM Peak Hour)	19
Table 12: Buildout Intersection Conditions (AM Peak Hour)	21
Table 13: Buildout Intersection Conditions (PM Peak Hour)	22
Table 14: Buildout Intersection Conditions with Improvements (AM and PM Peak Hour)	23

Appendices

Appendix A: Methodology Statement

Appendix B: Concept Site Plan

Appendix C: Turning Movement Counts

Appendix D: FDOT's Florida Traffic Online (FTO) Data

Appendix E: Turning Movement Volume Worksheets

Appendix F: Space Coast TPO Traffic Counts

Appendix G: Synchro Outputs

Appendix H: ITE Excerpts

Appendix I: CFRPM Model Plot

Appendix J: Growth Rate Worksheets

Appendix K: NCHRP Warrant Worksheets

1.0 INTRODUCTION

Kimley-Horn has been retained to analyze and document the traffic impacts associated with the development of Pluckebaum Residential. The proposed single-family development is located in the northwest quadrant of the intersection of Pluckebaum Road & Clearlake Road in the City of Cocoa.

The project property is currently vacant. The proposed Pluckebaum Residential development is to consist of ±234 single-family homes. Buildout of the proposed development is anticipated in 2025. The Methodology Statement developed with the County to guide this transportation analysis is provided in **Appendix A**.

Access to the site will be provided via two (2) full-access driveways: one (1) on Pluckebaum Road and one (1) on Clearlake Road. The access points are shown in the conceptual site plan provided in **Appendix B**.

1.1 STUDY AREA

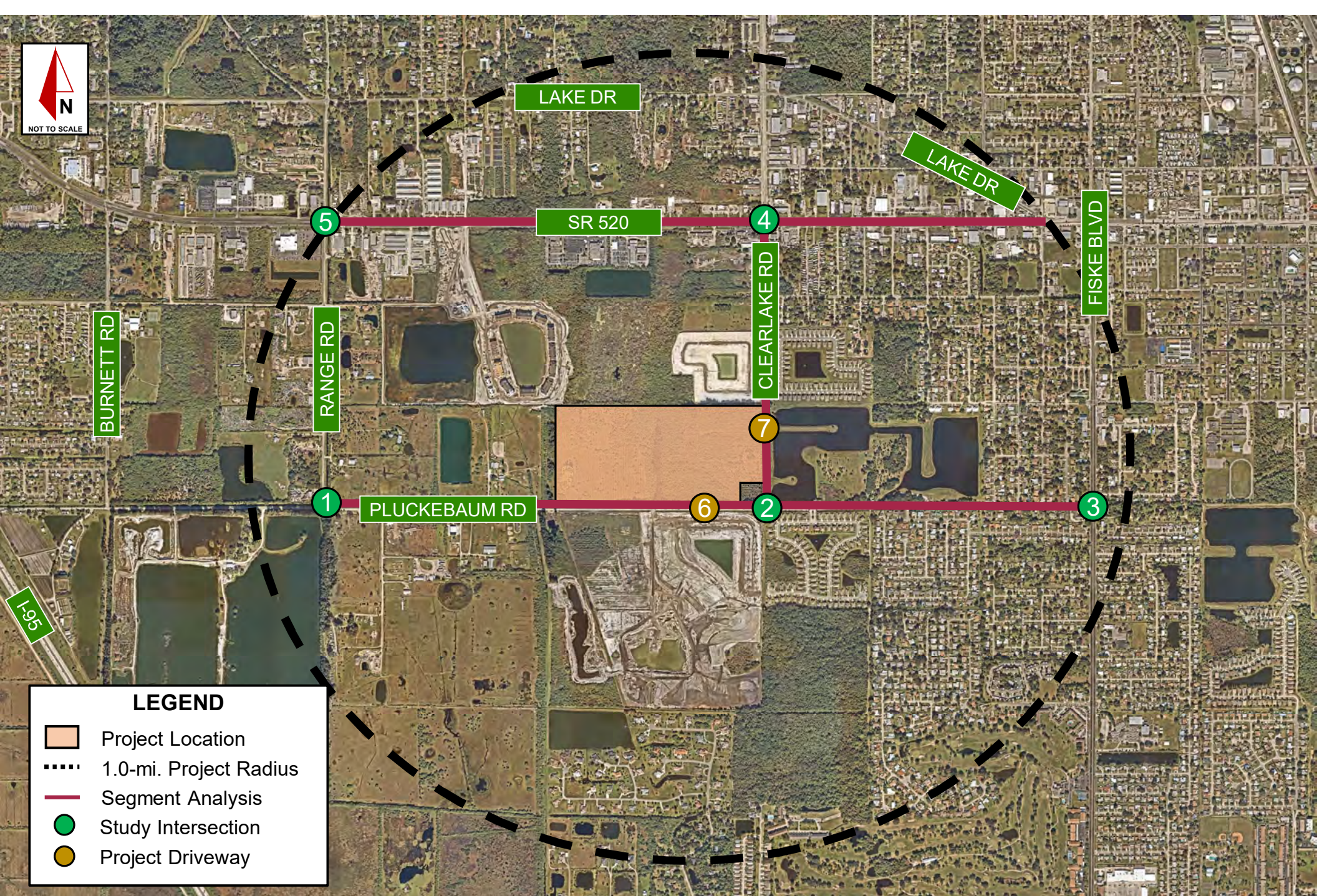
The study area, determined using the Brevard County *Guidelines on Minimum Requirements for Traffic Impact Analyses* (2022), was discussed and approved as part of the Traffic Impact Analysis Methodology (**Appendix A**). The agreed-upon study area roadway segments and intersections are listed below and displayed on **Figure 1**:

Study Area Roadway Segments

- Pluckebaum Road from Range Road to Clearlake Road
- Pluckebaum Road from Clearlake Road to Fiske Boulevard (Link #568)
- Clearlake Road from Pluckebaum Road to SR 520
- SR 520 from Range Road to Clearlake Road (Link #14)
- SR 520 from Clearlake Road to Lake Drive (Link #4)

Study Area Intersections

- Pluckebaum Road & Range Road
- Pluckebaum Road & Clearlake Road
- Pluckebaum Road & Fiske Boulevard
- SR 520 & Clearlake Road
- SR 520 & Range Road



LEGEND

-  Project Location
-  1.0-mi. Project Radius
-  Segment Analysis
-  Study Intersection
-  Project Driveway

Figure 1: Project Location & Study Area

November 2023
Project No.: 249101001

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2.0 FUTURE LAND USE

The project site is currently located in the City of Cocoa with a future land use designation of Very Low Density Residential. This future land use designation allows for a maximum of four (4) dwelling units per acre.

As part of the proposed development, the applicant is proposing a future land use designation of Planned Development (PD) with a maximum development potential of 234 single-family dwelling units.

The proposed density ($234 \text{ SF DU} / 78.66 \text{ AC} = \sim 3$) is less than the existing allowed density, therefore the trip generation potential of the existing FLU is greater than the trip generation potential of the proposed development. Therefore, the proposed FLU amendment is not anticipated to cause additional roadway capacity needs in the short or long-term planning horizons.

3.0 EXISTING CONDITIONS ANALYSIS

3.1 EXISTING TRAFFIC COUNTS

Turning movement counts (TMCs) were collected at the study intersections on Thursday, November 2, 2023, and are provided in **Appendix C**. Data was collected during the AM Peak Period (7:00 AM to 9:00 AM) and PM Peak Period (4:00 PM to 6:00 PM) at the study area intersections.

Turning movement volumes were adjusted by a seasonal factor (SF) of 1.04. SF data from FDOT's Florida Traffic Online (FTO) is included in **Appendix D**. Turning movement volume worksheets for all intersections can be found in **Appendix E**.

24-hour continuous machine approach counts were collected on Tuesday, November 7, 2023, along Clearlake Road and Pluckebaum Road, adjacent to the project site. These counts were adjusted by an SF of 1.05 based on FDOT's FTO data, included in **Appendix D**. Count data is provided in **Appendix C**.

3.2 EXISTING ROADWAY SEGMENT CONDITIONS

A roadway segment analysis was performed within the study area to determine existing Daily and PM peak hour conditions. The Daily analysis was conducted by comparing the 2022 Average Annual Daily Traffic (AADT) segment volumes from the latest Space Coast Transportation Planning Organization (TPO) Traffic Count publication to the TPO's Daily Maximum Service Volumes (MSV) corresponding to the adopted Level of Service (LOS) standard for each roadway segment. The 2022 AADT volumes were grown to Year 2023 existing volumes by applying a growth rate of two percent (2%) over one (1) year. An excerpt from the Space Coast TPO Traffic Count publication is provided in **Appendix F**. For the segment of Pluckebaum Road from Range Road to Clearlake Road, the existing volume was determined from the 24-hour continuous machine approach counts as the segment is not included in the Space Coast TPO Historic Counts document.

Additionally, a PM peak hour roadway segment analysis was conducted by comparing peak hour two-way volumes to the peak hour two-way MSV corresponding to the adopted Level of Service (LOS) standard for each roadway segment. Existing peak hour two-way roadway segment volumes were determined using the field collected data as the Space Coast TPO Historic Counts document does not provide peak hour data. In addition, the FDOT Q/LOS Handbook was used to determine each segment's peak hour two-way volume.

The existing roadway segment data is included in **Tables 1 and 2** for Daily and PM peak hour conditions, respectively. As shown in the tables, the analysis identifies no roadway segment capacity deficiencies within the study area under existing Daily and PM peak hour conditions.

3.3 EXISTING INTERSECTION CONDITIONS

An intersection operational analysis was performed for existing conditions during the AM and PM peak hours using procedures outlined in the *Highway Capacity Manual, 6th Edition* with Synchro (v11) software. Intersection level of service (LOS) and maximum volume to capacity (v/c) ratios for the AM and PM peak hour existing conditions are provided in **Tables 3 and 4**. Synchro outputs are provided in **Appendix G**.

As shown in the tables below, all study area intersections currently operate with acceptable overall LOS and with movement v/c ratios less than one (1.0) under existing (2023) AM and PM peak hour conditions.

Table 1: Existing Roadway Segment Analysis (Daily)

Roadway Link ID From To			Roadway Attributes ¹					Daily - Existing (2023)				
			Functional Classification	Number of Lanes	Speed Limit	Adopted LOS	Daily MSV ¹	2022 AADT ¹	Annual Growth Rate	2023 AADT ²	V/C Ratio	Deficient?
<i>Pluckebaum Rd</i>												
-	Range Road	Clearlake Road	Urban Major Collector	4	40	E	15,600	-	-	4,654	0.30	No
568	Clearlake Road	Fiske Boulevard	Urban Major Collector	4	35	E	15,600	5,900	2.00%	6,018	0.39	No
<i>Clearlake Rd</i>												
49	Pluckebaum Rd	SR 520 / Kings St	Urban Major Collector	2	30	E	15,600	4,150	2.00%	4,233	0.27	No
<i>SR 520 / Kings Street</i>												
14	Range Road	Clearlake Road	Urban Principal Arterial	4	55	D	41,790	22,350	2.00%	22,797	0.55	No
4	Clearlake Road	Lake Drive	Urban Principal Arterial	4	45	D	39,800	19,310	2.00%	19,696	0.49	No

Notes

1. Data obtained from Space Coast TPO Historical Counts Report.

2. Volumes were determined by applying a calculated growth rate. For the segment of Pluckebaum Road from Range Road to Clearlake Road, a 24-hour count was collected and seasonal factor applied to determine the daily traffic volume.

Table 2: Existing Roadway Segment Analysis (PM Peak Hour)

Roadway Link ID From To			Roadway Attributes ¹					Daily - Existing (2023)		
			Functional Classification	Number of Lanes	Speed Limit	Adopted LOS	PH 2-Way MSV ¹	2023 PH 2-Way Vol. ²	V/C Ratio	Deficient?
<i>Pluckebaum Rd</i>										
-	Range Road	Clearlake Road	Urban Major Collector	4	40	E	1,410	440	0.31	No
568	Clearlake Road	Fiske Boulevard	Urban Major Collector	4	35	E	1,410	743	0.53	No
<i>Clearlake Rd</i>										
49	Pluckebaum Rd	SR 520 / Kings St	Urban Major Collector	2	30	E	1,410	553	0.39	No
<i>SR 520 / Kings Street</i>										
14	Range Road	Clearlake Road	Urban Principal Arterial	4	55	D	3,760	1,809	0.48	No
4	Clearlake Road	Lake Drive	Urban Principal Arterial	4	45	D	3,580	1,539	0.43	No

Notes

1. Data obtained from Space Coast TPO Historical Counts Report and FDOT Q/LOS Handbook.

2. Volumes were determined from turning movement counts collected in 2023. The appropriate seasonal factor was applied to determine the peak season, peak hour existing two-way volume for each segment.

Table 3: Existing Intersection Conditions (AM Peak Hour)

Existing Condition - 2023						
Intersection		Control Type	Approach	AM Peak Hour		
				Max Level of Service	Max V/C Ratio	Max V/C Movement
1	Range Road (NB) & Pluckebaum Road (EB/WB)	Unsignalized (TWSC)	EB(L)	A	0.00	EBL
			WB(L)	-	-	-
			NB	-	-	-
			SB	B	0.14	SBL/R
			Overall	-	0.14	SBL/R
2	Clearlake Road (NB) & Pluckebaum Road (EB/WB)	Unsignalized (TWSC)	EB(L)	A	0.02	EBL
			WB(L)	-	-	-
			NB	-	-	-
			SB	B	0.36	SBL/R
			Overall	-	0.36	SBL/R
3	Fiske Boulevard (NB/SB) & Pluckebaum Road (EB)	Signalized	EB	E	0.95	EBR
			WB	-	-	-
			NB	B	0.55	NBL
			SB	B	0.43	SBT/R
			Overall	C (25.0 s)	0.95	EBR
4	Clearlake Road (NB/SB) & SR 520 (EB/WB)	Signalized	EB	B	0.34	EBT
			WB	B	0.23	WBT
			NB	E	0.84	NBT/R
			SB	E	0.77	SBR
			Overall	C (31.2 s)	0.84	NBT/R
5	Range Road (NB/SB) & SR 520 (EB/WB)	Signalized	EB	B	0.48	EBT/R
			WB	B	0.31	WBT
			NB	C	0.41	NBL/T/R
			SB	C	0.61	SBL/T/R
			Overall	B (15.0 s)	0.61	SBL/T/R

Table 4: Existing Intersection Conditions (PM Peak Hour)

Existing Condition - 2023						
Intersection		Control Type	Approach	PM Peak Hour		
				Max Level of Service	Max V/C Ratio	Max V/C Movement
1	Range Road (NB) & Pluckebaum Road (EB/WB)	Unsignalized (TWSC)	EB(L)	A	0.00	EBL
			WB(L)	-	-	-
			NB	-	-	-
			SB	B	0.13	SBL/R
			Overall	-	0.13	SBL/R
2	Clearlake Road (NB) & Pluckebaum Road (EB/WB)	Unsignalized (TWSC)	EB(L)	A	0.02	EBL
			WB(L)	-	-	-
			NB	-	-	-
			SB	C	0.40	SBL/R
			Overall	-	0.40	SBL/R
3	Fiske Boulevard (NB/SB) & Pluckebaum Road (EB)	Signalized	EB	E	0.94	EBR
			WB	-	-	-
			NB	B	0.82	NBL
			SB	C	0.53	SBT/R
			Overall	C (26.2 s)	0.94	EBR
4	Clearlake Road (NB/SB) & SR 520 (EB/WB)	Signalized	EB	B	0.50	EBL
			WB	C	0.32	WBT
			NB	E	0.86	NBT/R
			SB	E	0.79	SBL
			Overall	C (34.0 s)	0.86	NBT/R
5	Range Road (NB/SB) & SR 520 (EB/WB)	Signalized	EB	B	0.47	EBT/R
			WB	B	0.47	WBT
			NB	C	0.51	NBL/T/R
			SB	C	0.58	SBL/T/R
			Overall	B (14.4 s)	0.58	SBL/T/R

4.0 DEVELOPMENT TRAFFIC

The proposed Pluckebaum Residential development is to consist of ±234 single-family homes. Buildout of the proposed development is anticipated in 2025. The latest industry standards were referenced to evaluate the amount of new external trips to be generated by the site at buildout. The adopted regional travel demand model was used to forecast the distribution of trips throughout the study area.

4.1 TRIP GENERATION

Trip generation for the proposed project was calculated per procedures published in the 11th Edition of the Institute of Transportation Engineers' (ITE) *Trip Generation Manual*. The Land Use Code (LUC) for the proposed site is:

- LUC 210, Single-Family Detached Housing

Relevant excerpts from the *Trip Generation Manual* are included in **Appendix H. Table 5** provides the Daily, AM peak hour, and PM peak hour trip generation summary for the project. The proposed site is anticipated to generate 2,206 daily trips, 161 AM peak hour trips (42 inbound and 119 outbound), and 198 PM peak hour trips (125 inbound and 73 outbound).

Table 5: Trip Generation

Daily	Land Use	ITE LUC ¹	Size	Units	ITE Trip Rate ¹	R ²	Fitted Equation	Daily				
								Total	In ¹		Out ¹	
	Single-Family Detached Housing	210	234	DU	9.43	0.95	Ln(T) = 0.92 * Ln(X) + 2.68	2,206	50%	1,103	50%	1,103
	Total Generated Trips							2,206	1,103		1,103	
AM Peak Hour	Land Use	ITE LUC ¹	Size	Units	ITE Trip Rate ¹	R ²	Fitted Equation	AM Peak Hour				
								Total	In ¹		Out ¹	
	Single-Family Detached Housing	210	234	DU	0.69	0.90	Ln(T) = 0.91 * Ln(X) + 0.12	161	26%	42	74%	119
	Total Generated Trips							161	42		119	
PM Peak Hour	Land Use	ITE LUC ¹	Size	Units	ITE Trip Rate ¹	R ²	Fitted Equation	PM Peak Hour				
								Total	In ¹		Out ¹	
	Single-Family Detached Housing	210	234	DU	0.94	0.92	Ln(T) = 0.94 * Ln(X) + 0.27	198	63%	125	37%	73
	Total Generated Trips							198	125		73	

Note: ¹ Vehicle trip rate and directional splits per ITE Trip Generation, 11th Edition

4.2 TRIP DISTRIBUTION

Projected traffic demand of project trips on study roadways was derived with use of the adopted regional travel demand model. Land use data for the project was entered into a new traffic analysis zone (TAZ) within the Central Florida Regional Planning Model set and situated within the existing roadway network to appropriately represent project access. The model was used to assign trips for all trip purposes between allocated origin and destination pairs using project build-out year model data. Trip distribution for the project was extracted from the completed model assignment and reviewed for logic. The resulting model plot showing the percent of daily project distribution is provided in **Appendix I**.

Daily model project distribution was referenced to manually assign project distribution at the study area intersections and driveways in general accordance with the model output. **Figure 2** shows the intersection movement project distribution within the study area for use in forecasting project trips.

4.3 TRIP ASSIGNMENT

Project trip distribution percentages were used to assign anticipated project trips to the study area roadways and intersections. **Figure 3** shows the anticipated project trip assignments at study area intersections during the AM and PM peak hours.

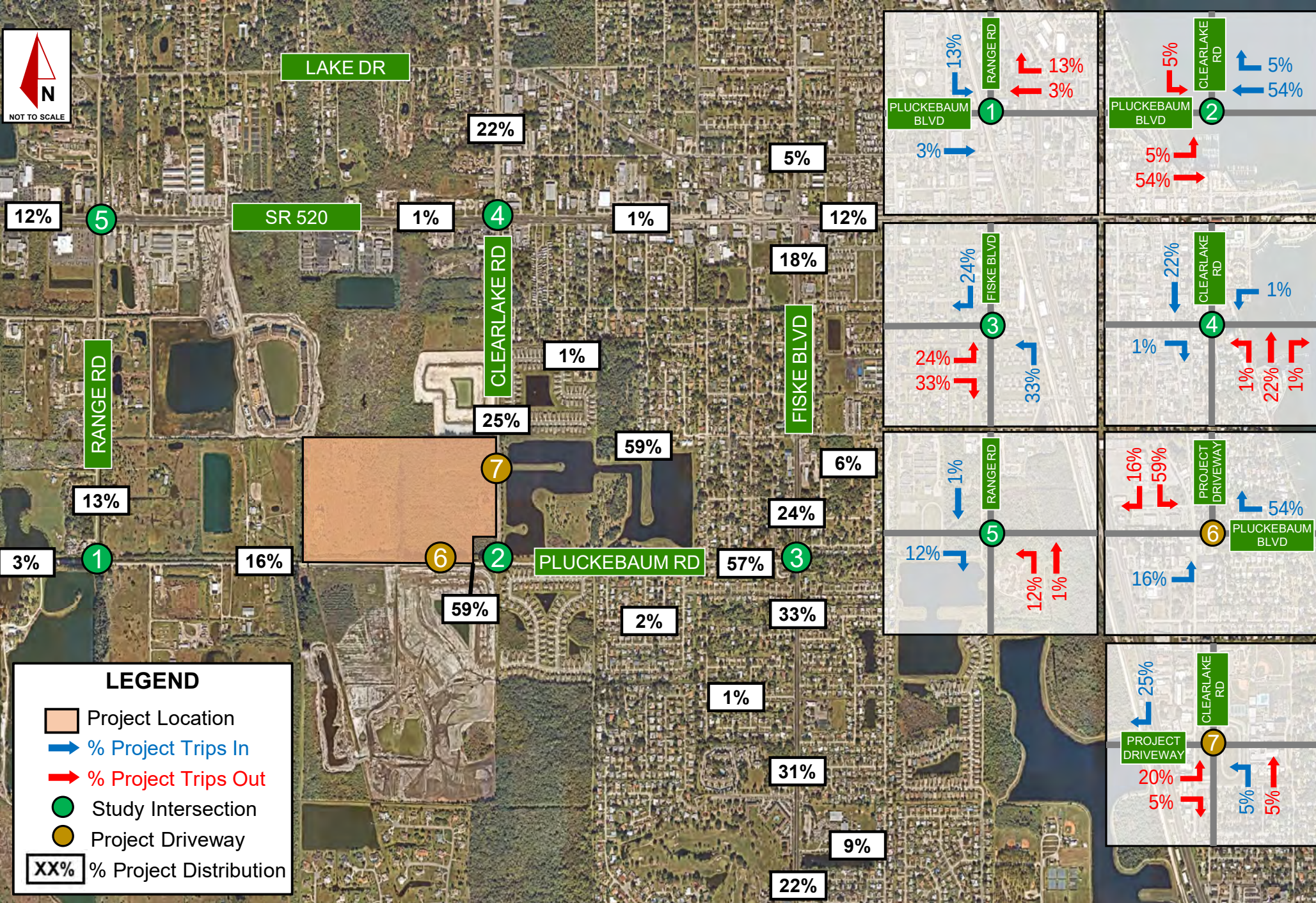


Figure 2: Project Trip Distribution

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189 S Orange Ave, Suite 1000, Orlando, FL, 32801
Phone: (407)-898-1511

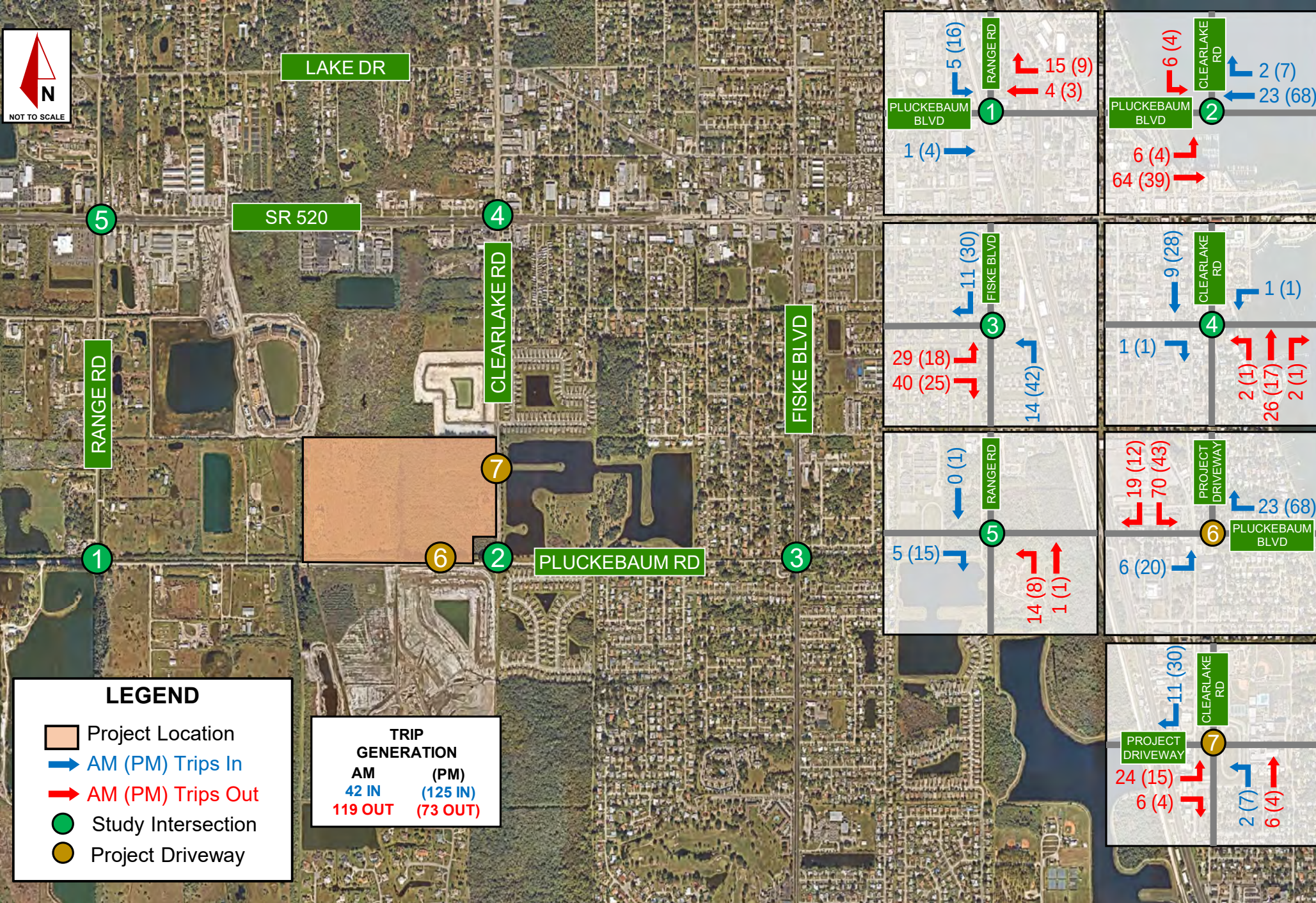


Figure 3: Project Trip Assignment

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189 S Orange Ave, Suite 1000, Orlando, FL, 32801
Phone: (407)-898-1511

5.0 BACKGROUND CONDITIONS ANALYSIS – YEAR 2025

5.1 BACKGROUND TRAFFIC

Traffic conditions were evaluated for year 2025 background conditions, without the impact of project trips on the roadway network. As stated in the Brevard County *Guidelines on Minimum Requirements for Traffic Impact Analyses* (2022), annual growth rates shall be applied to the background traffic by either applying an annual growth factor of 2%, or the annual growth rate of the roadway or adjacent roadway as established by the TPO, whichever is greater. The growth rate was determined for each segment in the study area using Space Coast TPO counts and determined to be less than 2%, as shown in **Appendix J**. Therefore, background volumes on study area roadway segments and intersections were derived by applying a 2% annual growth rate to existing traffic counts. Adjusted turning movement volume worksheets for all intersections can be found in **Appendix E**.

5.2 BACKGROUND ROADWAY SEGMENT ANALYSIS

A roadway segment analysis was performed within the study area to determine background Daily and PM peak hour conditions. The analysis was conducted by comparing the projected 2025 Background AADT and PM peak hour two-way segment volumes to the segment's Maximum Service Volumes (MSV).

The background roadway segment data is included in **Tables 6 and 7** for Daily and PM peak hour conditions, respectively. As shown in the tables, the analysis identifies no capacity deficiencies under background (2025) conditions.

Table 6: Background Roadway Segment Analysis (Daily)

Roadway Link ID From To			Roadway Attributes ¹					Daily - Background (2025)				
			Functional Classification	Number of Lanes	Speed Limit	Adopted LOS	Daily MSV ¹	Existing 2023 AADT	Annual Growth Rate	2025 AADT ²	V/C Ratio	Deficient?
<i>Pluckebaum Rd</i>												
-	Range Road	Clearlake Road	Urban Major Collector	4	40	E	15,600	4,654	2.00%	4,840	0.31	No
568	Clearlake Road	Fiske Boulevard	Urban Major Collector	4	35	E	15,600	6,018	2.00%	6,259	0.40	No
<i>Clearlake Rd</i>												
49	Pluckebaum Rd	SR 520 / Kings St	Urban Major Collector	2	30	E	15,600	4,233	2.00%	4,402	0.28	No
<i>SR 520 / Kings Street</i>												
14	Range Road	Clearlake Road	Urban Principal Arterial	4	55	D	41,790	22,797	2.00%	23,709	0.57	No
4	Clearlake Road	Lake Drive	Urban Principal Arterial	4	45	D	39,800	19,696	2.00%	20,484	0.51	No

Notes

1. Data obtained from Space Coast TPO Historical Counts Report.
2. Volumes were determined by applying a calculated growth rate.
3. Percent project traffic assignment was the assumed maximum percent across the segment based on the model output and trip assignment at the project driveways.

Table 7: Background Roadway Segment Analysis (PM Peak Hour)

Roadway Link ID From To			Roadway Attributes ¹					Daily - Background (2025)				
			Functional Classification	Number of Lanes	Speed Limit	Adopted LOS	PH 2-Way MSV ¹	2023 PH 2-Way Vol.	Annual Growth Rate	2025 PH 2-Way Vol. ²	V/C Ratio	Deficient?
<i>Pluckebaum Rd</i>												
-	Range Road	Clearlake Road	Urban Major Collector	4	40	E	1,410	440	2.00%	458	0.32	No
568	Clearlake Road	Fiske Boulevard	Urban Major Collector	4	35	E	1,410	743	2.00%	773	0.55	No
<i>Clearlake Rd</i>												
49	Pluckebaum Rd	SR 520 / Kings St	Urban Major Collector	2	30	E	1,410	553	2.00%	575	0.41	No
<i>SR 520 / Kings Street</i>												
14	Range Road	Clearlake Road	Urban Principal Arterial	4	55	D	3,760	1,809	2.00%	1,881	0.50	No
4	Clearlake Road	Lake Drive	Urban Principal Arterial	4	45	D	3,580	1,539	2.00%	1,601	0.45	No

Notes

1. Data obtained from Space Coast TPO Historical Counts Report.
2. Volumes were determined by applying a calculated growth rate.
3. Percent project traffic assignment was the assumed maximum percent across the segment based on the model output and trip assignment at the project driveways.

5.3 BACKGROUND INTERSECTION ANALYSIS

An intersection operational analysis was performed for background conditions during the AM and PM peak hours using procedures outlined in the *Highway Capacity Manual, 6th Edition* with Synchro (v11) software. The existing (2023) volumes were grown to Year 2025 background volumes by applying a growth rate of two percent (2%) over two (2) years.

Intersection level of service (LOS) and maximum volume to capacity (v/c) ratios for the AM and PM peak hour background conditions are provided in **Tables 8 and 9**. Synchro outputs are provided in **Appendix G**.

As shown in the table below, all study area intersections are expected to operate at an acceptable LOS overall and v/c ratio in the background (2025) AM and PM peak hour.

Table 8: Background Intersection Conditions (AM Peak Hour)

Background Condition - 2025						
Intersection		Control Type	Approach	AM Peak Hour		
				Max Level of Service	Max V/C Ratio	Max V/C Movement
1	Range Road (NB) & Pluckebaum Road (EB/WB)	Unsignalized (TWSC)	EB(L)	A	0.00	EBL
			WB(L)	-	-	-
			NB	-	-	-
			SB	B	0.16	SBL/R
			Overall	-	0.16	SBL/R
2	Clearlake Road (NB) & Pluckebaum Road (EB/WB)	Unsignalized (TWSC)	EB(L)	A	0.03	EBL
			WB(L)	-	-	-
			NB	-	-	-
			SB	C	0.38	SBL/R
			Overall	-	0.38	SBL/R
3	Fiske Boulevard (NB/SB) & Pluckebaum Road (EB)	Signalized	EB	E	0.95	EBR
			WB	-	-	-
			NB	B	0.59	NBL
			SB	C	0.46	SBT/R
			Overall	C (26.1 s)	0.95	EBR
4	Clearlake Road (NB/SB) & SR 520 (EB/WB)	Signalized	EB	B	0.36	EBT
			WB	B	0.24	WBT
			NB	E	0.85	NBT/R
			SB	E	0.78	SBR
			Overall	C (31.7 s)	0.85	NBT/R
5	Range Road (NB/SB) & SR 520 (EB/WB)	Signalized	EB	B	0.51	EBT/R
			WB	B	0.33	WBT
			NB	C	0.41	NBL/T/R
			SB	C	0.62	SBL/T/R
			Overall	C (15.4 s)	0.62	SBL/T/R

Table 9: Background Intersection Conditions (PM Peak Hour)

Background Condition - 2025						
Intersection		Control Type	Approach	PM Peak Hour		
				Max Level of Service	Max V/C Ratio	Max V/C Movement
1	Range Road (NB) & Pluckebaum Road (EB/WB)	Unsignalized (TWSC)	EB(L)	A	0.00	EBL
			WB(L)	-	-	-
			NB	-	-	-
			SB	B	0.13	SBL/R
			Overall	-	0.13	SBL/R
2	Clearlake Road (NB) & Pluckebaum Road (EB/WB)	Unsignalized (TWSC)	EB(L)	A	0.02	EBL
			WB(L)	-	-	-
			NB	-	-	-
			SB	C	0.42	SBL/R
			Overall	-	0.42	SBL/R
3	Fiske Boulevard (NB/SB) & Pluckebaum Road (EB)	Signalized	EB	E	0.94	EBR
			WB	-	-	-
			NB	B	0.88	NBL
			SB	C	0.57	SBT/R
			Overall	C (28.4 s)	0.94	EBR
4	Clearlake Road (NB/SB) & SR 520 (EB/WB)	Signalized	EB	B	0.53	EBL
			WB	C	0.34	WBT
			NB	E	0.87	NBT/R
			SB	E	0.80	SBL
			Overall	C (34.7 s)	0.87	NBT/R
5	Range Road (NB/SB) & SR 520 (EB/WB)	Signalized	EB	B	0.49	EBT/R
			WB	B	0.49	WBT
			NB	C	0.53	NBL/T/R
			SB	C	0.59	SBL/T/R
			Overall	B (14.8 s)	0.59	SBL/T/R

6.0 BUILDOUT CONDITIONS ANALYSIS – YEAR 2025

Buildout volumes were developed by adding anticipated project trips to background volumes. A determination of the impact of project traffic on the roadway network was made, including LOS conditions for the intersections and roadway segments within the study area. Turning movement volume worksheets for all intersections and driveways are provided in **Appendix E**.

6.1 BUILDOUT ROADWAY SEGMENT ANALYSIS

A roadway segment analysis was performed within the study area to determine buildout Daily and PM peak hour two-way conditions. The Daily analysis was conducted by comparing the projected 2025 buildout AADT and PM peak hour two-way volume to the segment's Maximum Service Volumes (MSV).

The buildout roadway segment data is included in **Tables 10** and **11** for Daily and PM peak hour conditions, respectively. As shown in the tables, the analysis identifies no roadway capacity deficiencies under buildout (2025) Daily or PM peak hour two-way conditions. No new roadway deficiencies are anticipated due to project impact.

Table 10: Buildout Roadway Segment Analysis (Daily)

Roadway Link ID FromTo				Roadway Attributes ¹				Daily - Buildout (2025)					
				Functional Classification	Number of Lanes	Speed Limit	Adopted LOS	Daily MSV ¹	2,206 Daily Trips		Buildout AADT	V/C Ratio	Deficient ²
									% Assign ³	Project Trips			
<i>Pluckebaum Rd</i>													
-	Range Road	Clearlake Road	Urban Major Collector	4	40	E	15,600	59%	1,302	6,142	0.39	No	
568	Clearlake Road	Fiske Boulevard	Urban Major Collector	4	35	E	15,600	59%	1,302	7,560	0.48	No	
<i>Clearlake Rd</i>													
49	Pluckebaum Rd	SR 520 / Kings St	Urban Major Collector	2	30	E	15,600	25%	552	4,954	0.32	No	
<i>SR 520 / Kings Street</i>													
14	Range Road	Clearlake Road	Urban Principal Arterial	4	55	D	41,790	1%	22	23,731	0.57	No	
4	Clearlake Road	Lake Drive	Urban Principal Arterial	4	45	D	39,800	1%	22	20,506	0.52	No	

Notes

1. Data obtained from Space Coast TPO Historical Counts Report.
2. Volumes were determined by applying a calculated growth rate.
3. Percent project traffic assignment was the assumed maximum percent across the segment based on the model output and trip assignment at the project driveways.

Table 11: Buildout Roadway Segment Analysis (PM Peak Hour)

Roadway Link ID FromTo				Roadway Attributes ¹				Daily - Buildout (2025)					
				Functional Classification	Number of Lanes	Speed Limit	Adopted LOS	PH 2-Way MSV ¹	198 Daily Trips		Buildout PH 2-Way Vol.	V/C Ratio	Deficient
									% Assign ³	Project Trips			
<i>Pluckebaum Rd</i>													
-	Range Road	Clearlake Road	Urban Major Collector	4	40	E	1,410	59%	117	574	0.41	No	
568	Clearlake Road	Fiske Boulevard	Urban Major Collector	4	35	E	1,410	59%	117	890	0.63	No	
<i>Clearlake Rd</i>													
49	Pluckebaum Rd	SR 520 / Kings St	Urban Major Collector	2	30	E	1,410	25%	50	625	0.44	No	
<i>SR 520 / Kings Street</i>													
14	Range Road	Clearlake Road	Urban Principal Arterial	4	55	D	3,760	1%	2	1,883	0.50	No	
4	Clearlake Road	Lake Drive	Urban Principal Arterial	4	45	D	3,580	1%	2	1,603	0.45	No	

Notes

1. Data obtained from Space Coast TPO Historical Counts Report.
2. Volumes were determined by applying a calculated growth rate.
3. Percent project traffic assignment was the assumed maximum percent across the segment based on the model output and trip assignment at the project driveways.

6.2 BUILDOUT INTERSECTION ANALYSIS

An intersection operational analysis was performed for Year 2025 buildout conditions during the AM and PM peak hours using procedures outlined in the *Highway Capacity Manual, 6th Edition* with Synchro (v11) software. Intersection level of service (LOS), delay, and maximum volume to capacity (v/c) ratios for the AM and PM peak hour buildout conditions are provided in **Tables 12 and 13**. Synchro outputs are provided in **Appendix G**.

As shown in the tables below, all study area intersections operate with an acceptable overall LOS and with movement v/c ratios less than one (1.0), except for the eastbound right movement at Fiske Boulevard & Pluckebaum Road, which operates with v/c greater than one (1) in the AM and PM peak hour.

To address the buildout deficiencies, improvements were implemented and analyzed in a separate improved buildout scenario. A summary of the recommended signal timing improvements and corresponding AM and PM peak hour intersection conditions are provided in **Table 14**.

Table 12: Buildout Intersection Conditions (AM Peak Hour)

Buildout Condition - 2025						
Intersection		Control Type	Approach	AM Peak Hour		
				Max Level of Service	Max V/C Ratio	Max V/C Movement
1	Range Road (NB) & Pluckebaum Road (EB/WB)	Unsignalized (TWSC)	EB (L)	A	0.00	EBL
			WB (L)	-	-	-
			NB	-	-	-
			SB	B	0.16	SBL/R
			Overall	-	0.16	SBL/R
2	Clearlake Road (NB) & Pluckebaum Road (EB/WB)	Unsignalized (TWSC)	EB (L)	A	0.03	EBL
			WB (L)	-	-	-
			NB	-	-	-
			SB	C	0.45	SBL/R
			Overall	-	0.45	SBL/R
3	Fiske Boulevard (NB/SB) & Pluckebaum Road (EB)	Signalized	EB	F	1.06	EBR
			WB	-	-	-
			NB	B	0.62	NBL
			SB	C	0.47	SBT/R
			Overall	C (32.0 s)	1.06	EBR
4	Clearlake Road (NB/SB) & SR 520 (EB/WB)	Signalized	EB	B	0.37	EBT
			WB	B	0.25	WBT
			NB	E	0.87	NBT/R
			SB	E	0.72	SBL
			Overall	C (33.1 s)	0.87	NBT/R
5	Range Road (NB/SB) & SR 520 (EB/WB)	Signalized	EB	C	0.51	EBT/R
			WB	B	0.33	WBT
			NB	C	0.47	NBL/T/R
			SB	C	0.62	SBL/T/R
			Overall	B (15.7 s)	0.62	SBL/T/R
6	Project Driveway (NB) & Pluckebaum Road (EB/WB)	Unsignalized (TWSC)	EB(L)	A	0.01	EBL
			WB(L)	-	-	-
			NB	-	-	-
			SB	B	0.17	SBL/R
			Overall	-	0.17	SBL/R
7	Clearlake Road (NB/SB) & Project Driveway (WB)	Unsignalized (TWSC)	EB	B	0.05	EBL/R
			WB	-	-	-
			NB(L)	A	0.00	NBL
			SB(L)	-	-	-
			Overall	-	0.05	EBL/R

Table 13: Buildout Intersection Conditions (PM Peak Hour)

Buildout Condition - 2025						
Intersection		Control Type	Approach	PM Peak Hour		
				Max Level of Service	Max V/C Ratio	Max V/C Movement
1	Range Road (NB) & Pluckebaum Road (EB/WB)	Unsignalized (TWSC)	EB(L)	A	0.00	EBL
			WB(L)	-	-	-
			NB	-	-	-
			SB	B	0.16	SBL/R
			Overall	-	0.16	SBL/R
2	Clearlake Road (NB) & Pluckebaum Road (EB/WB)	Unsignalized (TWSC)	EB(L)	A	0.03	EBL
			WB(L)	-	-	-
			NB	-	-	-
			SB	C	0.51	SBL/R
			Overall	-	0.51	SBL/R
3	Fiske Boulevard (NB/SB) & Pluckebaum Road (EB)	Signalized	EB	F	1.05	EBR
			WB	-	-	-
			NB	C	0.94	NBL
			SB	C	0.59	SBT/R
			Overall	D (37.1 s)	1.05	EBR
4	Clearlake Road (NB/SB) & SR 520 (EB/WB)	Signalized	EB	B	0.53	EBL
			WB	C	0.33	WBT
			NB	F	0.89	NBT/R
			SB	E	0.77	SBL
			Overall	D (37.3 s)	0.89	NBT/R
5	Range Road (NB/SB) & SR 520 (EB/WB)	Signalized	EB	B	0.50	EBT/R
			WB	B	0.49	WBT
			NB	C	0.56	NBL/T/R
			SB	C	0.58	SBL/T/R
			Overall	B (15.1 s)	0.58	SBL/T/R
6	Project Driveway (NB) & Pluckebaum Road (EB/WB)	Unsignalized (TWSC)	EB(L)	A	0.02	EBL
			WB(L)	-	-	-
			NB	-	-	-
			SB	B	0.12	SBL/R
			Overall	-	0.12	SBL/R
7	Clearlake Road (NB/SB) & Project Driveway (WB)	Unsignalized (TWSC)	EB	B	0.04	EBL/R
			WB	-	-	-
			NB(L)	A	0.01	NBL
			SB(L)	-	-	-
			Overall	-	0.04	EBL/R

Table 14: Buildout Intersection Conditions with Improvements (AM and PM Peak Hour)

Buildout Condition with Improvements - 2025									
Intersection	Control Type	Recommended Improvements	AM Peak Hour			PM Peak Hour			
			Max Level of Service	Max V/C Ratio	Max V/C Movement	Max Level of Service	Max V/C Ratio	Max V/C Movement	
3	Fiske Boulevard (NB/SB) & Pluckebaum Road (EB)	Signalized	Signal Timing Adjustments	E	0.97	EBR	F	0.99	EBR
				-	-	-	-	-	-
				B	0.64	NBL	C	0.92	NBL
				C	0.5	SBT/R	C	0.65	SBT/R
				C (29.0 s)	0.97	EBR	D (40.2 s)	0.99	EBR



LAKE DR

SR 520

5

4

RANGE RD

CLEARLAKE RD

FISKE BLVD

1

PLUCKEBAUM RD

6

7

2

3

LEGEND

-  Project Location
-  AM Buildout (2025) Volumes
-  Study Intersection
-  Project Driveway

← Existing + [Background Growth] + (Project Traffic) = Buildout Total Traffic



Figure 4: AM Peak Hour Buildout Intersection Volumes

November 2023
Project No.: 249101001

Kimley Horn
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189 S Orange Ave, Suite 1000, Orlando, FL, 32801
Phone: (407)-898-1511



LAKE DR

SR 520

5

4

RANGE RD

CLEARLAKE RD

FISKE BLVD

1

PLUCKEBAUM RD

6

7

2

3

LEGEND

-  Project Location
-  PM Buildout (2025) Volumes
-  Study Intersection
-  Project Driveway

← Existing + [Background Growth] + (Project Traffic) = Buildout Total Traffic



Figure 5: PM Peak Hour Buildout Intersection Volumes

November 2023
Project No.: 249101001

Kimley Horn
© 2022 Kimley-Horn and Associates, Inc.
189 S Orange Ave, Suite 1000, Orlando, FL, 32801
Phone: (407)-898-1511

6.3 BUILDOUT INGRESS TURN LANE ANALYSIS

The need for exclusive ingress left-turn and right-turn lanes at the proposed access points was evaluated using the National Cooperative Highway Research Program (NCHRP) Report 457 thresholds.

The need for exclusive right-turn lanes at the project driveways was determined by comparing the right turning volumes with the approach volume. Based on the project volumes shown in **Figures 4 and 5** and thresholds specified by the NCHRP Report 457, no right-turn lanes are warranted at either project driveway.

The need for exclusive left-turn lanes on the project driveways was determined by comparing the percent left turning volume with the advancing and opposing volumes. Based on the project volumes shown in **Figures 4 and 5** and thresholds specified by the NCHRP Report 457, no left-turn lanes are warranted at either project driveway.

NCHRP outputs are provided in **Appendix K**.

7.0 CONCLUSION

This traffic impact analysis was performed to analyze and document the transportation impacts associated with the buildout of the Pluckebaum Residential located in the northwest quadrant of the intersection of Pluckebaum Road & Clearlake Road. The development, proposed for buildout in 2025, will consist of ± 234 single-family homes. Access to the site will be provided via two (2) full-access driveways: one (1) on Pluckebaum Road and one (1) on Clearlake Road.

The project is expected to generate 2,206 daily trips, 161 AM peak hour trips (42 inbound and 119 outbound), and 198 PM peak hour trips (125 inbound and 73 outbound) based on data from the ITE *Trip Generation Manual*. Project trips were distributed onto the surrounding existing plus committed roadway network using the adopted regional travel demand model and manual assignment at the study area intersections.

A roadway segment capacity analysis was performed for the study area roadway segments for existing, background, and buildout conditions. The Daily and PM peak hour two-way analysis identified no roadway segment capacity deficiencies.

An operational analysis for existing and future conditions was performed at the intersections within the study area. All study area intersections operate with an acceptable overall LOS and with movement v/c ratios less than one (1.0) under existing, background, and buildout AM and PM peak hours with the exception of the eastbound right movement at Fiske Boulevard & Pluckebaum Road, which operates with v/c greater than one (1.0) in the buildout AM and PM peak hour. To address the buildout deficiency, signal timing adjustments are recommended. With the proposed improvement, the eastbound right movement operates with a v/c ratio less than one (1.0) in both the AM and PM peak hour.

The need for exclusive ingress right-turn lanes and left-turn lanes at the proposed site access points was evaluated based on the National Cooperative Highway Research Program (NCHRP) Report 457 thresholds. No right-turn lanes or left-turn lanes are warranted at either project driveway.

APPENDIX A

Methodology Statement

From: Figueroa-Chanza, Veronica <Veronica.Figueroa-Chanza@brevardfl.gov>
Sent: Tuesday, June 28, 2022 3:54 PM
To: Shellenberger, Erika
Cc: Taylor, James; Viteri, Sabrina; jcooper@cityofrockledge.org; Gumm, Corrina
Subject: RE: TIA Methodology - Pluckebaum Residential

Follow Up Flag: Follow up
Flag Status: Flagged

Erika,

Brevard County staff has completed the review of the TIA methodology and offers the following comments to be addressed with submittal of the TIA:

- 1) Study area:
 - a. The analysis extent of developments which fall under section III.C.2 of Brevard County's Guidelines on Minimum Requirements for Traffic Impact Analyses shall be preliminarily established as 0.5-mile per every 100 peak hour trips, rounded up to the nearest 100 trips. Based on this development's PM peak hour trip generation, it is recommended to reduce the study area to a 1-mile radius.
 - b. The segment analysis significance test is to extend the preliminary analysis extents as needed, not to remove segments within the preliminary area of influence. Include the following roadway segments in the analysis:
 - i. SR 520 from Range Rd to Clearlake Rd (Link #14)
 - ii. SR 520 from Clearlake Rd to Lake Dr (Link #4)
 - c. Per Brevard County's Guidelines on Minimum Requirements for Traffic Impact Analyses, all major signalized intersections shall be analyzed. Include the following intersections in the analysis:
 - i. SR 520 at Range Rd
 - ii. SR 520 at Clearlake Rd
- 2) Study Area Segments:
 - a. Label all roadway segments with their roadway link ID as established by the Space Coast Transportation Planning Organization (SCTPO).
 - b. Florida Traffic Online's data for Pluckebaum Rd is from Clearlake Rd to Fiske Blvd. Collect 24-Hour continuous machine approach counts for these two segments. Per Brevard County's Guidelines on Minimum Requirements for Traffic Impact Analyses, The Traffic Operations Manager or designee reserves the right to request that roadway link data be collected.
 - c. For Pluckebaum Rd from Burnett Rd to Range Rd and from Range Rd to Clearlake Rd, use a MAV of 15,600 and an adopted LOS of E.
 - d. The 2021 AADT and v/c ratios presented in Table 1 do not match SCTPO counts. Use the SCTPO Traffic Counts Historical Report 2012-2021.
- 3) Trip Generation:
 - a. The rates provided for land use code 210 do not match 11th edition rates.
 - b. The R² value for all periods of both land use codes are at least 0.75 and they have at least 20 data points. Per ITE guidelines, use the fitted curve equations.
 - c. Provide relevant ITE Trip Generation Manual excerpts.
- 4) Project Trip Distribution
 - a. Label all roadway links with the road name in the daily trip distribution model output figures.
 - b. In Figure 2, show 59% of project traffic between the project driveway and Clearlake Rd, in accordance with the CFRPM v7 model results.

5) Advisory comments:

- a. SCTPO has officially released its 2021 Traffic Counts. Use the SCTPO Traffic Counts Historical Report 2012-2021.
- b. Growth rates:
 - i. Per Brevard County's Guidelines on Minimum Requirements for Traffic Impact Analyses, "Annual Growth Rates shall be applied to the background traffic by either applying an annual growth factor of 2%, or the annual growth rate of the roadway or adjacent roadway as established by the TPO, whichever is greater." Provide Annual Growth Rates for each roadway link as established by the SCTPO based on 2017-2021 data. For segments without 2021 counts, use 2014-2018 or 2015-2019 data. Additionally, use "Design Year" growth rates, not Trend Annual Historic Growth Rates.
 - ii. Intersections: Apply approach growth rates based on the roadway segment corresponding to each intersection leg or a minimum annual growth factor of 2%, whichever is greater.

Regards,
Verónica

Verónica M. Figueroa-Chanza, PE
Transportation Engineer
Brevard County Public Works
2725 Judge Fran Jamieson Way, Viera, FL 32940
Office: 321-633-2077
veronica.figueroa-chanza@brevardfl.gov

From: Figueroa-Chanza, Veronica <>
Sent: Friday, June 24, 2022 9:43 AM
To: 'Shellenberger, Erika' <Erika.Shellenberger@kimley-horn.com>
Cc: Gumm, Corrina <corrina.gumm@brevardfl.gov>; Taylor, James <James.Taylor@kimley-horn.com>; Viteri, Sabrina <Sabrina.Viteri@kimley-horn.com>; jcooper@cityofrockledge.org
Subject: RE: TIA Methodology - Pluckebaum Residential

Erika,

Thank you for sending us the TIA methodology. We currently have a longer review timeframe due to a large backlog and other commitments. It may be 3-4 weeks before we can complete this. Also, I've attached the latest version of Brevard County's TIA Guidelines.

Regards,
Verónica

Verónica M. Figueroa-Chanza, PE
Transportation Engineer
Brevard County Public Works
2725 Judge Fran Jamieson Way, Viera, FL 32940
Office: 321-633-2077
veronica.figueroa-chanza@brevardfl.gov

From: Shellenberger, Erika <Erika.Shellenberger@kimley-horn.com>
Sent: Thursday, June 23, 2022 5:10 PM
To: jcooper@cityofrockledge.org
Cc: Figueroa-Chanza, Veronica <Veronica.Figueroa-Chanza@brevardfl.gov>; Gumm, Corrina <corrina.gumm@brevardfl.gov>; Taylor, James <James.Taylor@kimley-horn.com>; Viteri, Sabrina

<Sabrina.Viteri@kimley-horn.com>

Subject: TIA Methodology - Pluckebaum Residential

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Good afternoon,

For your review, we have developed the attached TIA methodology based on the policies and guidelines of the City of Rockledge and Brevard County. Per the County's latest guidelines, the study area includes the roadway segments that are significantly impacted within a 1.5-mile radius and an operational analysis at the project access points and the following offsite intersections:

- Pluckebaum Road & Range Road
- Pluckebaum Road & Clearlake Road
- Pluckebaum Road & Fiske Boulevard

As part of the background volume development, trips from the currently under construction Harvest Landing project adjacent to the proposed development will be included.

Please let us know if this TIA methodology is acceptable and feel free to contact me with any comments or questions.

Erika Shellenberger, E.I.

Kimley-Horn | 189 S. Orange Ave. Suite 1000, Orlando, FL 32801

Direct: 689 206 9002 | Mobile: 317 549 5337



MEMORANDUM

From: James M. Taylor, P.E.
Kimley-Horn and Associates, Inc.

Date: June 23, 2022

Subject: Traffic Impact Analysis (TIA) Methodology
Pluckebaum Residential

Purpose

The following is a Traffic Impact Analysis (TIA) methodology outline for the above referenced project. The forthcoming TIA will generally conform to the methodology herein and the policies and guidelines of Brevard County and the City of Rockledge.

Project Description

Pluckebaum Residential is a proposed single-family development located in the northwest quadrant of the intersection of Pluckebaum Road & Clearlake Road in the City of Cocoa. As part of the development process, the applicant is planning to annex the project site into the City of Rockledge. The project property is currently vacant. The proposed Pluckebaum Residential development is to consist of ± 141 single-family homes and ± 132 single-family townhomes. Buildout of the proposed development is anticipated in 2025.

Access to the site will be provided via two (2) full-access driveways: one (1) on Pluckebaum Road and one (1) on Clearlake Road. The access points are shown in the conceptual site plan provided in **Attachment A**.

Study Area

As stated in the Brevard County *Guidelines on Minimum Requirements for Traffic Impact Analyses* (2022), the study area shall be preliminarily established with a radius of 0.5-miles per 100 peak hour trips. As determined in the Trip Generation portion of this memorandum, the proposed development is anticipated to generate 212 PM peak hour trips; therefore, the preliminary study area will have a radius of 1.5-miles.

A 5.0% significance test was performed for all roadway segments within the 1.5-mile area of influence that are included in the latest Space Coast TPO Traffic Counts Report. Significance was calculated by dividing the portion of total project trips assigned to each roadway segment by the corresponding maximum available volume (MAV) for that segment. A 5.0% significance test was performed for all concurrent roadway segments and a 1.0% significance test for all roadway segments with concurrency failure within the 1.5-mile preliminary study area. **Table 1** summarizes the roadway segment significance test and the study area determination.



Per the Brevard County *Guidelines on Minimum Requirements for Traffic Impact Analyses* (2022), the study should include each major median opening where links are operating at 80% of the capacity of the road. As shown in **Table 1**, no links within the study area are operating at 80% of the capacity of the road; therefore, intersections along the significantly impacted study area segments will be included in the study area.

From this analysis, the study area roadway segments and intersections are listed below and displayed on **Figure 1**:

Study Area Roadway Segments

- Pluckebaum Road from Range Road to Clearlake Road
- Pluckebaum Road from Clearlake Road to Fiske Boulevard

Study Area Intersections

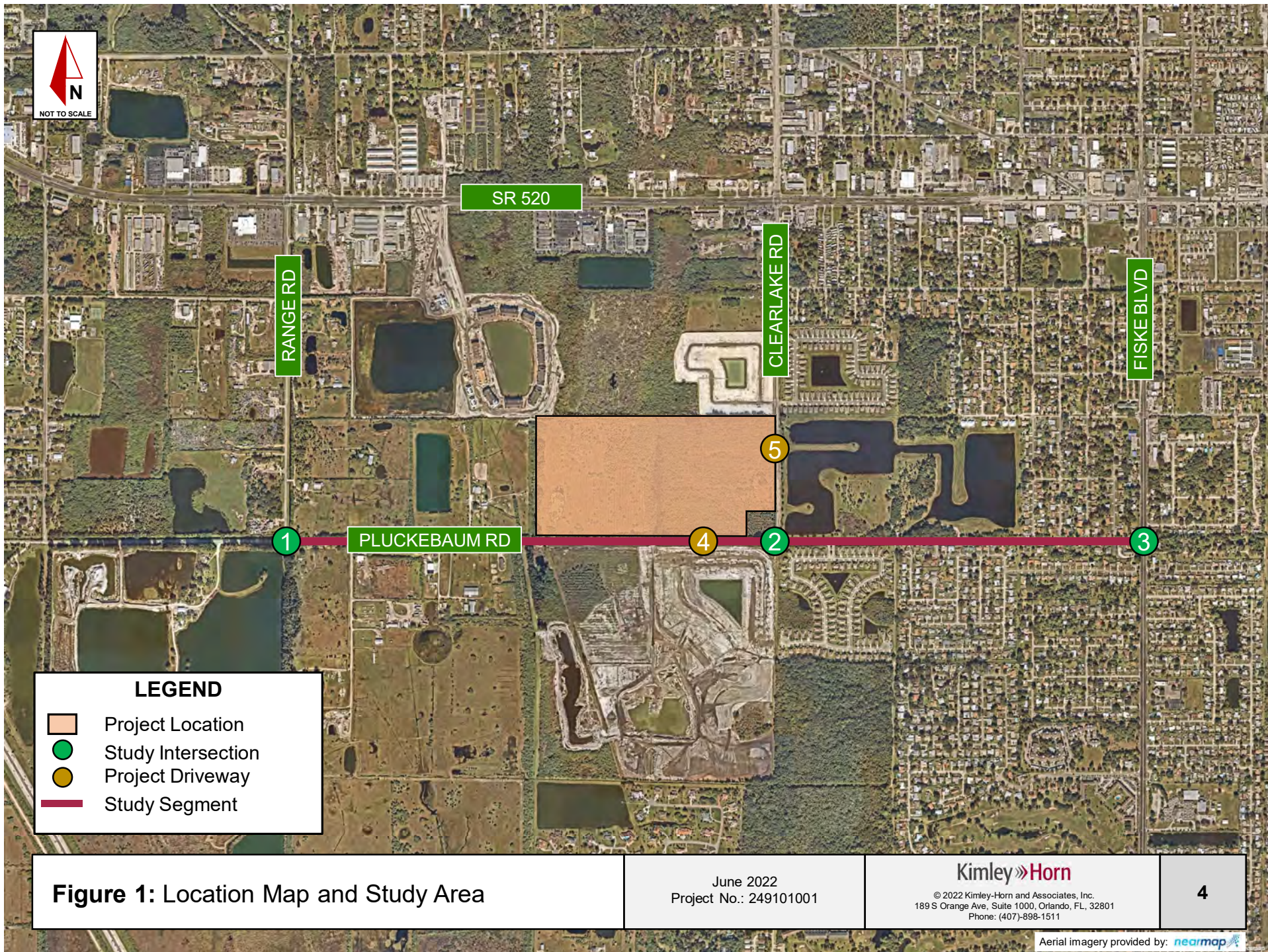
- Pluckebaum Road & Range Road
- Pluckebaum Road & Clearlake Road
- Pluckebaum Road & Fiske Boulevard

Table 1: Study Area Segments

Roadway		Roadway Attributes ¹				Daily Project Traffic Total Daily Trips = 2,341			Included in Study Area ⁴
		Adopted LOS	Max Avail. Volume (MAV)	2021 AADT	Existing V/C Ratio	% Project Distribution ²	Project Trips	% Impact ³	
Pluckebaum									
Burnett Rd.	Range Rd.	D	15,930	3,600	0.23	2%	47	0.30%	No
Range Rd.	Clearlake Rd.	D	15,930	3,600	0.23	59%	1,381	8.67%	Yes
Clearlake Rd.	Fiske Blvd.	E	15,600	6,530	0.42	59%	1,381	8.85%	Yes
Fiske Boulevard									
Barton Blvd.	St. Andrews Dr.	D	41,790	10,620	0.25	31%	726	1.74%	No
St. Andrews	Pluckebaum Rd.	D	41,790	24,187	0.58	32%	749	1.79%	No
Pluckebaum Rd.	Rosa Jones Dr.	D	41,790	15,372	0.37	24%	562	1.34%	No
Rosa Jones Dr.	SR-520	D	41,790	15,784	0.38	18%	421	1.01%	No
SR-520	Dixon Blvd.	E	15,600	7,300	0.47	5%	117	0.75%	No
Clearlake Road									
Pluckebaum Rd.	SR-520	E	15,600	6,530	0.42	25%	585	3.75%	No
SR-520	Lake Dr	D	39,800	13,100	0.33	22%	515	1.29%	No
Lake Dr	Dixon Blvd.	D	39,800	16,460	0.41	20%	468	1.18%	No
Range									
Pluckebaum Rd.	SR-520	E	15,600	3,600	0.23	13%	304	1.95%	No
SR-520	Lake Dr.	E	15,600	7,300	0.47	1%	23	0.15%	No
Lake Dr.	Michigan Ave.	E	15,600	5,990	0.38	1%	23	0.15%	No
SR 520									
Burnett Rd.	Range Rd.	D	41,790	22,550	0.54	12%	281	0.67%	No
Range Rd.	Clearlake Rd.	D	41,790	22,400	0.54	1%	23	0.06%	No
Clearlake Rd.	Lake Dr.	D	39,800	21,550	0.54	1%	23	0.06%	No
Lake Dr.	Fiske Blvd.	D	39,800	24,750	0.62	1%	23	0.06%	No
Fiske Blvd.	Blake Ave.	D	41,790	26,680	0.64	13%	304	0.73%	No
Blake Ave.	US 1	D	41,790	26,510	0.63	12%	281	0.67%	No

Notes:

1. Data obtained from the Space Coast TPO Traffic Counts Report. If segment not included in SCTPO data, Florida Traffic Online data and 2020 FDOT Q/LOS Tables were used.
2. Percent project traffic assignment was calculated as the maximum across the segment.
3. Percent impact was calculated as the project traffic divided by the maximum service volume.
4. The minimum threshold for significance was at least 5% impact of the maximum service volume. For failing roadways, the threshold for significance was at least 1%.





Existing and Background (2025) Conditions

An existing roadway segment analysis will be performed for Daily and PM peak hour conditions within the study area by comparing existing count data available from the latest Space Coast Transportation Planning Organization (SCTPO) Traffic Counts Report and Florida Traffic Online database to the segment's maximum allowable volume, as provided by the SCTPO and the 2020 FDOT Q/LOS Tables. Background volumes on roadway segments will be derived by applying a 2% annual growth plus trips from the adjacent Harvest Landing project currently under construction. A background (2025) roadway segment analysis will also be conducted by comparing background volumes to maximum allowable volumes. Any capacity deficiencies will be identified.

Intersection turning movement counts will be collected in the AM and PM peak hour at study area intersections. An intersection capacity analysis will be performed using the operational analysis procedures outlined in the *Highway Capacity Manual* 6th Edition. Specifically, Synchro (v11) software will be used to evaluate existing and background operational conditions at the study area intersections and project driveways by reporting volume to capacity (v/c) ratios, level of service, and queue length demands. Any operational deficiencies will be identified.

Trip Generation

Trip generation for the proposed project was calculated per procedures published in the 11th Edition of the Institute of Transportation Engineers' (ITE) *Trip Generation Manual*. The Land Use Codes (LUC) used for the proposed site are:

- LUC 210, Single-Family Detached Housing
- LUC 215, Single-Family Attached Housing

Table 2 provides the Daily, AM peak hour, and PM peak hour trip generation summary for the project.

Table 2: Trip Generation Summary

	Land Use	ITE LUC ¹	Size	Units	ITE Trip Rate ¹	Daily				
						Total	In ¹		Out ¹	
Daily	Single-Family Detached Housing	210	141	DU	9.82	1,385	50%	693	50%	692
	Single-Family Attached Housing	215	132	DU	7.24	956	50%	478	50%	478
	Total Generated Trips					2,341	1,171		1,170	
AM Peak Hour	Land Use	ITE LUC ¹	Size	Units	ITE Trip Rate ¹	AM Peak Hour				
						Total	In ¹		Out ¹	
	Single-Family Detached Housing	210	141	DU	0.72	102	26%	27	74%	75
	Single-Family Attached Housing	215	132	DU	0.48	63	31%	20	69%	43
	Total Generated Trips					165	47		118	
PM Peak Hour	Land Use	ITE LUC ¹	Size	Units	ITE Trip Rate ¹	PM Peak Hour				
						Total	In ¹		Out ¹	
	Single-Family Detached Housing	210	141	DU	0.97	137	63%	86	37%	51
	Single-Family Attached Housing	215	132	DU	0.57	75	57%	43	43%	32
	Total Generated Trips					212	129		83	

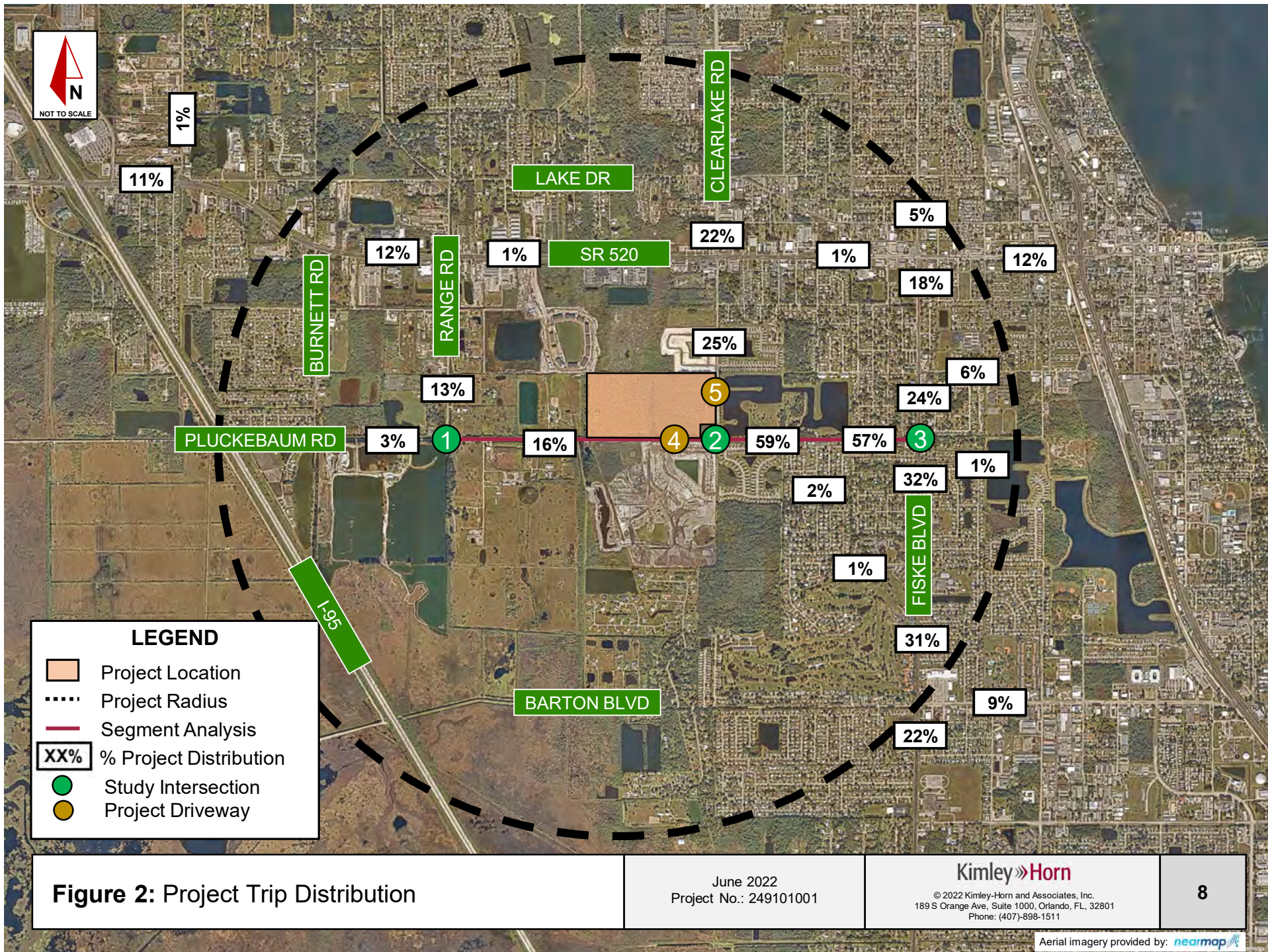
Note: ¹ Vehicle trip rate and directional splits per ITE Trip Generation, 11th Edition



Trip Distribution and Trip Assignment

Projected traffic demand of project trips on study roadways was derived with use of the adopted regional travel demand model. Land use data for the project was entered into a new traffic analysis zone (TAZ) within the Central Florida Regional Planning Model model set and situated within the existing roadway network to appropriately represent project access. The model was used to assign trips for all trip purposes between allocated origin and destination pairs using project build-out year model data. Trip distribution for the project was extracted from the completed model assignment and reviewed for logic. The resulting model plot showing percent of daily project distribution is provided in **Attachment B**.

Daily model project distribution will be referenced to manually assign project distribution at the study area intersections and driveways in general accordance with the model output. **Figure 2** shows the project distribution generated by the proposed development to be used in the forthcoming TIA. This project trip distribution is subject to changed based upon the proposed site plan.



**Buildout (2025) Conditions**

A buildout (2025) roadway segment analysis will be performed for Daily and PM peak hour conditions within the study area by comparing buildout volume projections to the segment's maximum allowable volumes. Buildout volumes will be derived by adding background volumes and project trips on study area roadway segments. Any capacity deficiencies will be identified.

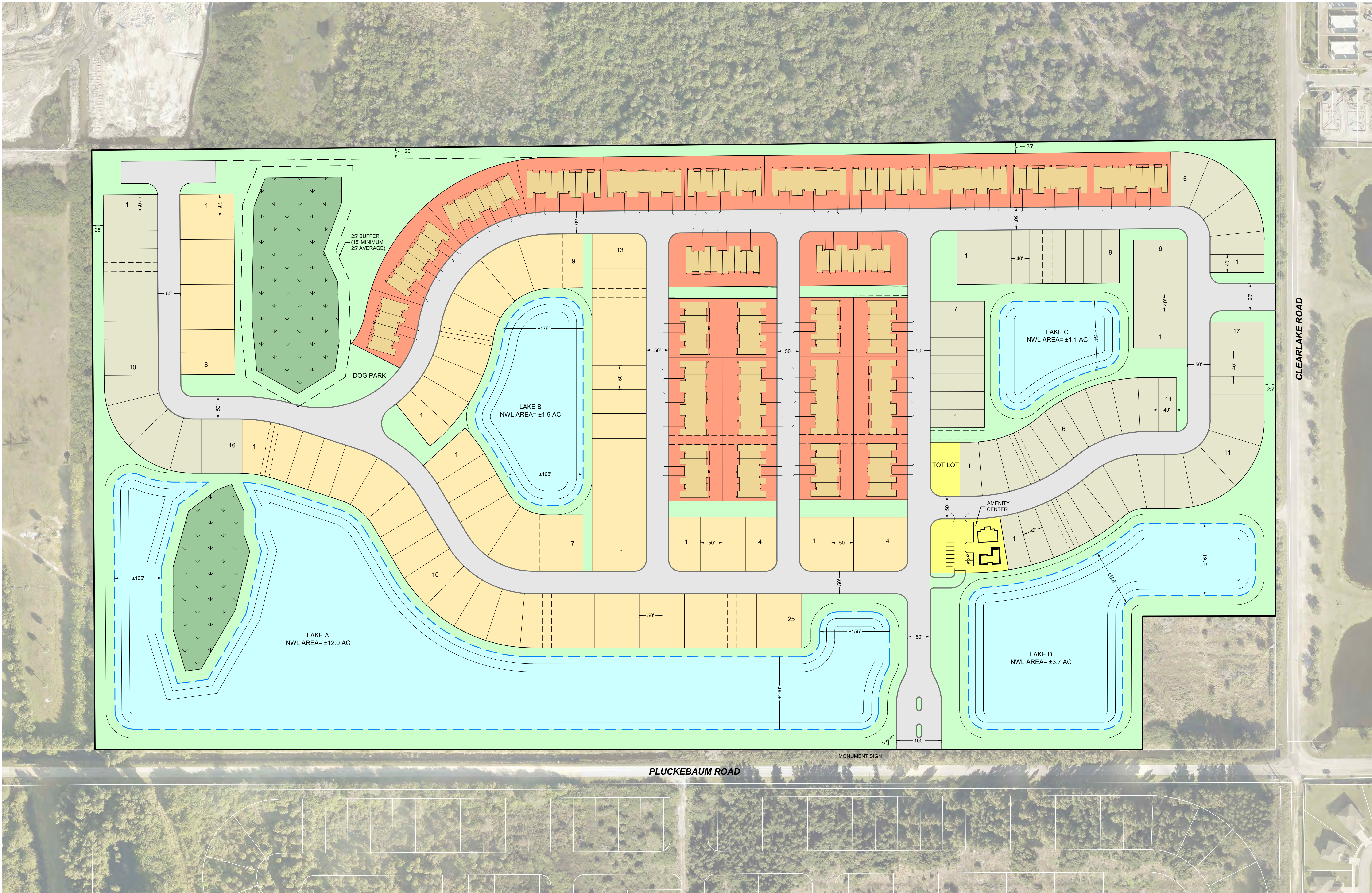
An intersection capacity analysis will be performed for buildout (2025) conditions using the operational analysis procedures outlined in the *Highway Capacity Manual* 6th Edition. Specifically, Synchro (v11) software will be used to evaluate buildout operational conditions at the study area intersections and project driveways by reporting volume to capacity (v/c) ratios, level of service, and queue length demands. Any operational deficiencies will be identified. If necessary, mitigating measures for any operational deficiencies identified due to project traffic impact will be recommended in the TIA.

Report/Conclusions

All analysis and findings will be documented in a report to be provided to the City of Rockledge for review.

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Attachment A
Site Concept Plan

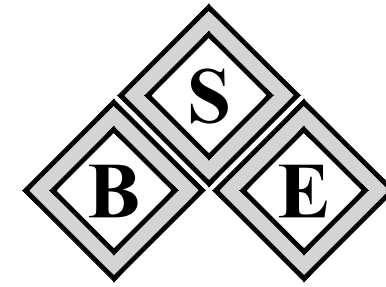


	ACRES	%
OVERALL SITE AREA	78.66	100
OPEN/RECREATION SPACE AREA	4.63	5.88
DOG PARK	.29	.37
TOT LOT	.22	.28

	ACRES	%
AMENITY CENTER	.45	.57
LAKE TRACT	25.02	31.77
WETLAND/BUFFER	4.36	5.53
25' PERIMETER BUFFER AND MISCELLANEOUS GREEN/OPEN SPACE	4.49	5.70



	LOT SIZE	FRONT SETBACK	REAR SETBACK	SIDE SETBACK	LOT COUNT	%
TOWN HOMES	24'x120'	20'	5'	5'	132	48
SINGLE FAMILY 40's	40'x120'	20'	25'	3'7"	71	26.0
SINGLE FAMILY 50's	50'x120'	20'	25'	3'7"	70	26.0
TOTAL LOT COUNT					273	100



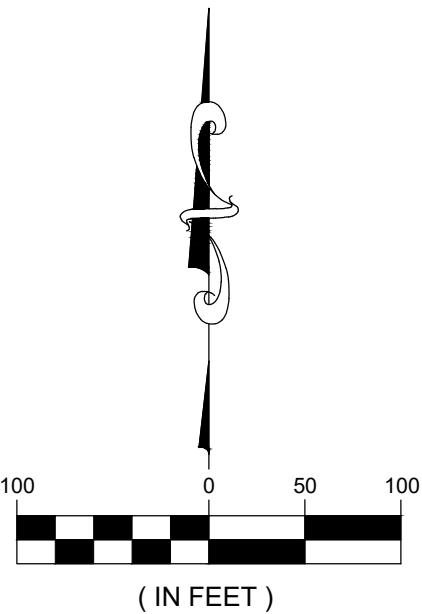
B.S.E. CONSULTANTS, INC.
CONSULTING - ENGINEERING -
LAND SURVEYING

312 SOUTH HARBOR CITY BOULEVARD, SUITE 4
MELBOURNE, FLORIDA 32901
PHONE: (321) 723-3674 FAX: (321) 723-1159
CERTIFICATE OF PROFESSIONAL ENGINEERS
BUSINESS AUTHORIZATION: #105
CERTIFICATE OF LAND SURVEYING
BUSINESS AUTHORIZATION: LB000405

SCOTT M. GLAUBITZ, P.E. & P.L.S.
STATE OF FLORIDA, No. 33659 No. 4151

HASSAN A. KAMAL, P.E.
STATE OF FLORIDA, No. 41951

NOTE:
BOUNDARY LINES BASED ON
PROPERTY APPRAISER'S
INFORMATION AND WETLANDS
ARE FROM COUNTY GIS DATA.



△	
△	
△	
△	
△	
△	
△	
△	

DATE: 04/27/22
DESIGN/DRAWN: ALS/DSN

PROJECT TITLE
**LENNAR -
PLUCKEBAUM RD**

SHEET TITLE
CONCEPT B

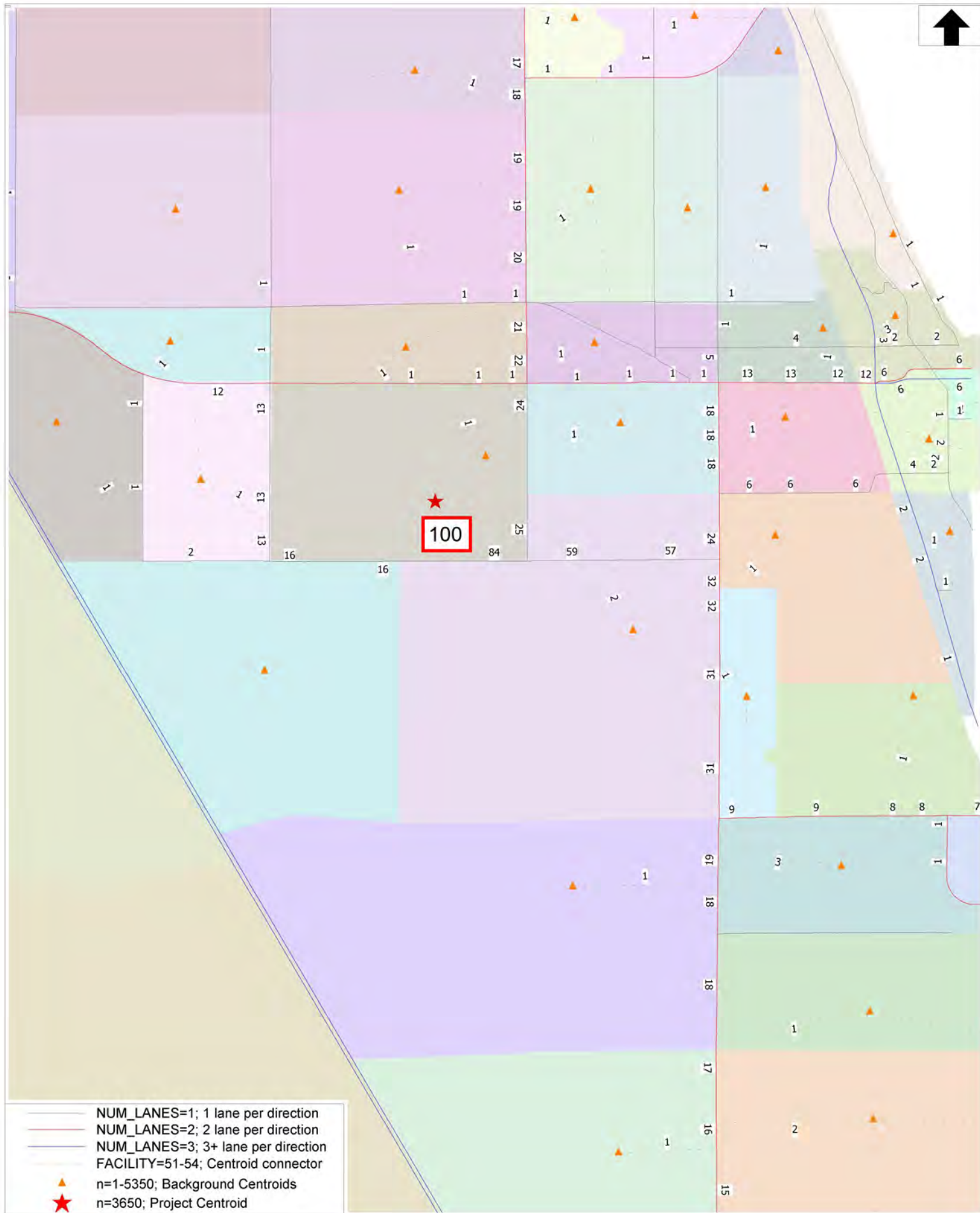
PROJECT NO.
11638

DRAWING NO.
11638_200_002

SHEET

1 of 1

Attachment B
Daily Model Plot



Pluckebaum Residential - Project Distribution (Percent)

APPENDIX B

Concept Site Plan

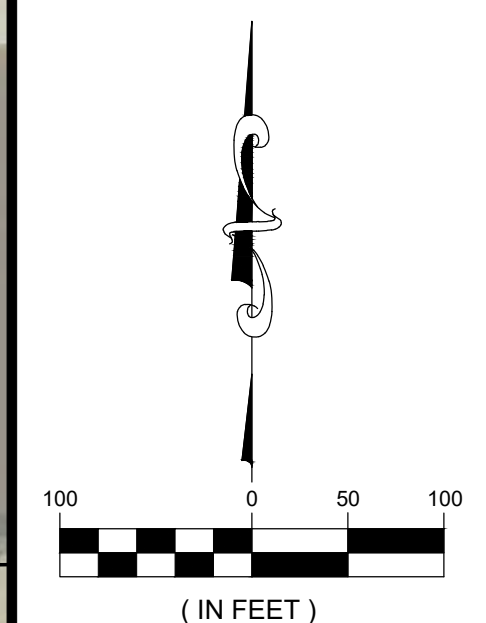


312 SOUTH HARBOR CITY BOULEVARD, SUITE 4
MELBOURNE, FLORIDA 32901
PHONE: (321) 725-3674 FAX: (321) 723-1159

CERTIFICATE OF PROFESSIONAL ENGINEERS
BUSINESS AUTHORIZATION: 4905
CERTIFICATE OF LAND SURVEYING
BUSINESS AUTHORIZATION: LB0004905

SCOTT M. GLAUBITZ, P.E. & P.L.S.
STATE OF FLORIDA, No. 33659 No. 4151

HASSAN A. KAMAL, P.E.
STATE OF FLORIDA, No. 41951



9	
8	
7	
6	
5	
4	
3	
2	
1	

DATE:	04/05/23
DESIGN/DRAWN:	ALS/AH

PROJECT TITLE

LENNAR -
PLUCKEBAUM RD

SHEET TITLE

**PRELIMINARY
DEVELOPMENT
PLAN
(SINGLE-FAMILY)**

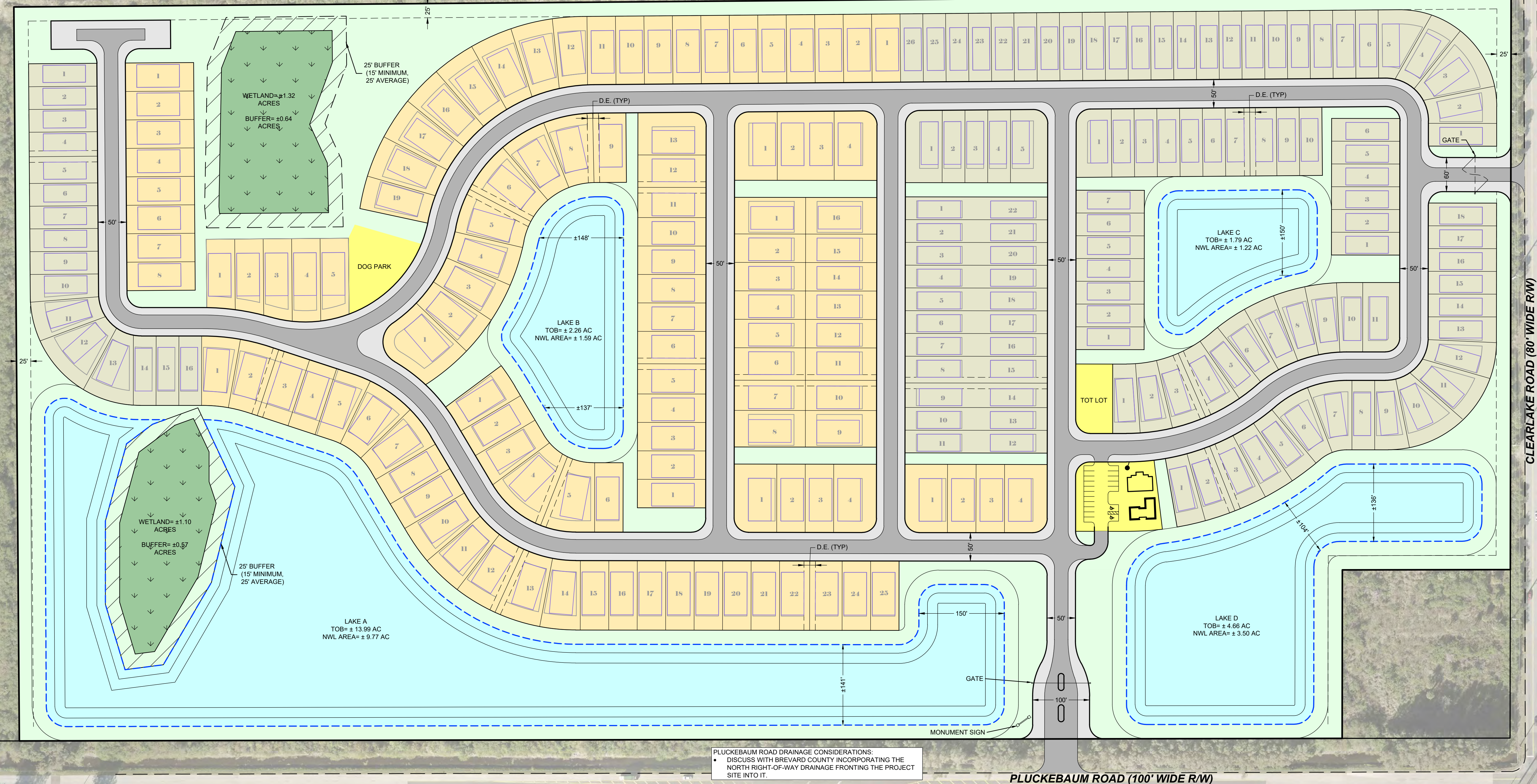
PROJECT NO.

DRAWING NO.

11638 200 015

SHEET

1 of 1



PLUCKEBAUM ROAD DRAINAGE CONSIDERATIONS:

- DISCUSS WITH BREVARD COUNTY INCORPORATING THE NORTH RIGHT-OF-WAY DRAINAGE FRONTING THE PROJECT SITE INTO IT.

PLUCKEBAUM ROAD (100' WIDE R/W)

AERIAL PHOTO PROVIDED BY BREVARD COUNTY PROPERTY APPRAISER 2023

TOTAL SITE AREA = ± 76.21 ACRES
TOTAL LAKE AREA = ± 16.08 ACRES (±21.09 %)

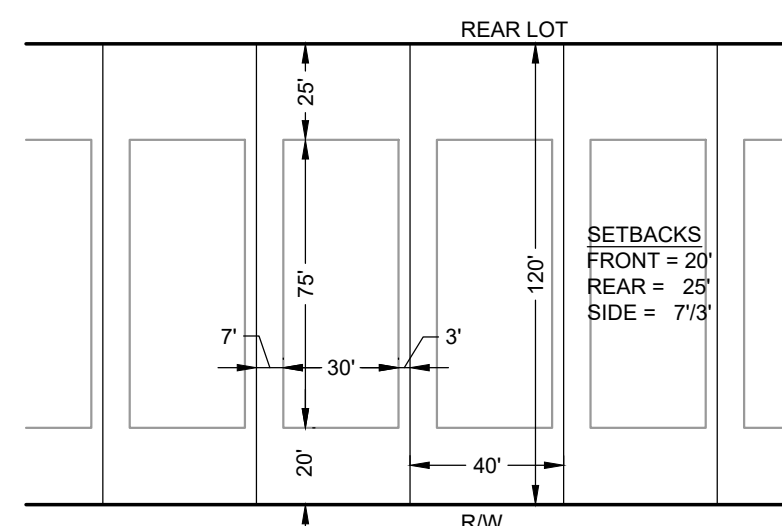
UNIT MIX:

121 (51.71%) = 40 FT WIDE - SINGLE FAMILY
113 (48.29%) = 50 FT WIDE - SINGLE FAMILY
234 (100%) = TOTAL LOTS

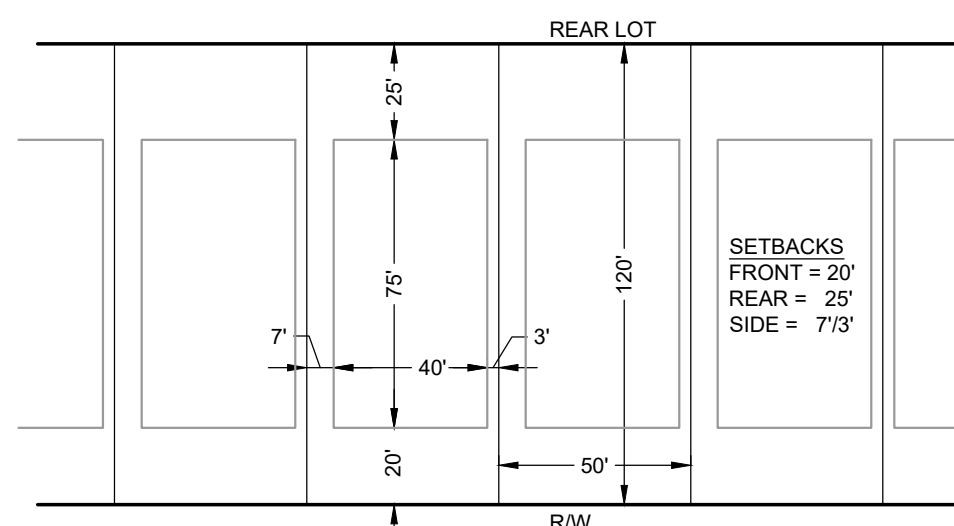
OPEN SPACE CALCULATION:

TOTAL SITE AREA = 76.21 ACRES
LESS THE FOLLOWING:

LOT / BLOCK	= 32.88 ACRES
OPEN/GREEN/RECREATION SPACE	= 12.84 ACRES
DOG PARK	= 0.28 ACRES
TOT LOT	= 0.17 ACRES
AMENITY CENTER	= 0.40 ACRES
LAKE AT NWL	= 16.08 ACRES
ROAD RIGHT-OF-WAY	= 9.93 ACRES
WETLAND/ BUFFER	= 3.63 ACRES

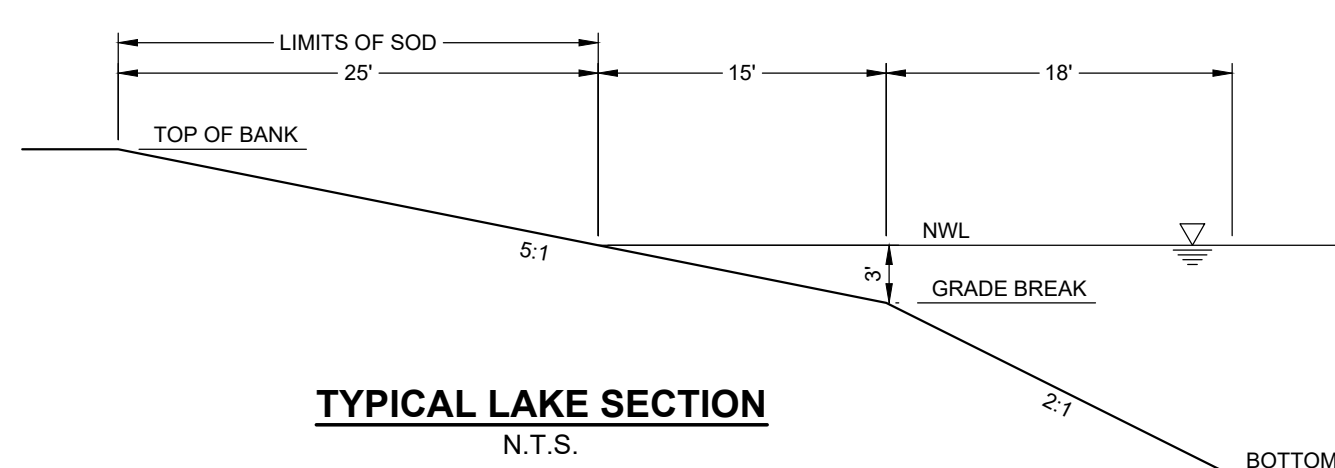


40' LOT DETAIL

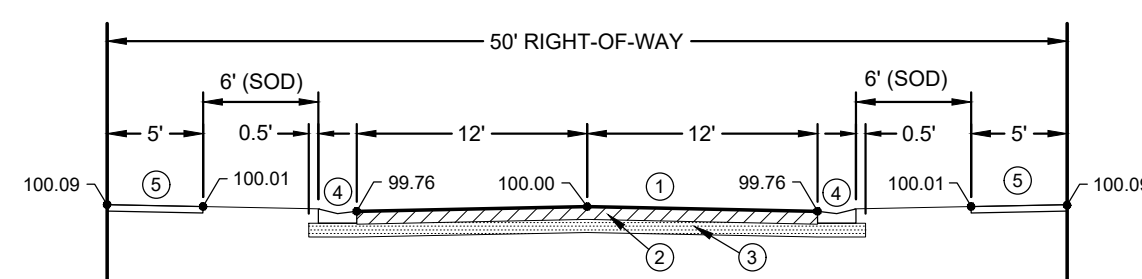


50' LOT DETAIL

ZONING AND LAND USE TABLE		
LOCATION	ZONING	LAND USE
SUBJECT SITE - EXISTING	RU-1-7 (COCOA)	RESIDENTIAL VERY LOW (COCOA)
SUBJECT SITE - PROPOSED	PUD (ROCKLEDGE)	MDR 3-15 DU / ACRE (ROCKLEDGE)
NORTH	RU-2-15 AND RR-1 (COCOA)	MDR AND LDR (COCOA)
SOUTH	PUD (ROCKLEDGE)	LDR (ROCKLEDGE)
EAST	ROC (ROCKLEDGE)	N COMM (COCOA) AND RPM (ROCKLEDGE)
WEST	RU-2-10 (COUNTY)	RES 15 DU / ACRE (COUNTY)



TYPICAL LAKE SECTION
N.T.S.



50' WIDE RIGHT-OF-WAY AND ROAD SECTION DETAIL

KEY

① 1-1/2" TYPE SP-9.5 (FINE MIX) ASPHALTIC CONCRETE

② 8" BASE WITH
FDOT
APPROVED
PRIME COAT

OPTIONS:

- LIMEROCK, L.B.R. 100 MIN.
- CEMENTED COQUINA SHELL, F.D.O.T. APPROVED, L.B.R. 100 MIN., COMPACTED TO 98% MAX. DENSITY PER AASHTO T-180

③ 10" STABILIZED SUB-GRADE, L.B.R. 50 MIN., COMPACTED TO 98% MAX. DENSITY PER AASHTO T-180 (EXTEND 6" BEYOND CURB)

④ MIAMI CURB - 2' WIDE

⑤ CONCRETE SIDEWALK; 1.5% DESIGN CROSS SLOPE, 2% MAX.

SYMBOLS SHOWN ARE GRAPHIC IN NATURE; DUE TO SCALE, ALL DESIGN ELEMENTS ARE NOT NECESSARILY SHOWN ON PLAN VIEWS. THE CONTRACTOR SHALL ALSO REFER TO SPECIFICATION AND DETAIL SHEETS AS WELL AS THE COMPLETE PLAN SET.

Page 456 of 8

APPENDIX C

Turning Movement Counts



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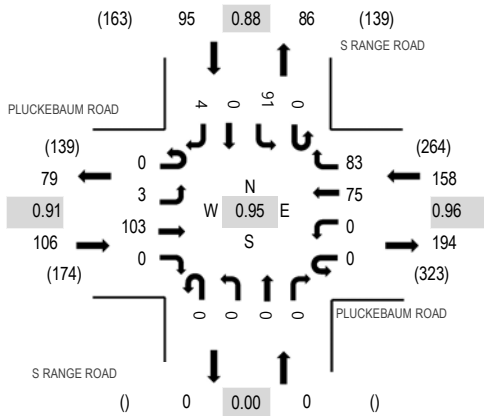
Location: 1 S RANGE ROAD & PLUCKEBAUM ROAD AM

Date: Thursday, November 2, 2023

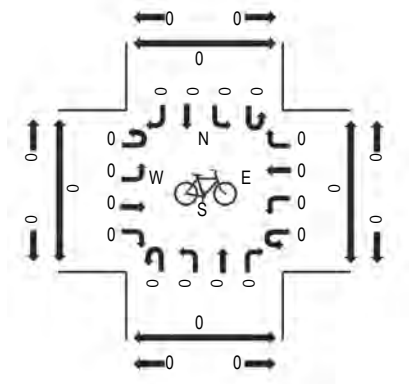
Peak Hour: 07:30 AM - 08:30 AM

Peak 15-Minutes: 08:15 AM - 08:30 AM

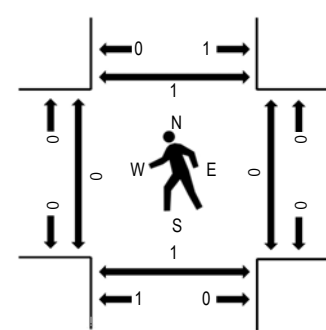
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	PLUCKEBAUM ROAD				PLUCKEBAUM ROAD				S RANGE ROAD				S RANGE ROAD				Total	Rolling Hour	Pedestrian Crossings			
	Eastbound				Westbound				Northbound				Southbound						West	East	South	North
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right						
7:00 AM	0	0	11	0	0	0	17	15	0	0	0	0	0	10	0	1	54	285	0	0	0	0
7:15 AM	0	0	12	0	0	0	12	12	0	0	0	0	0	14	0	1	51	316	0	0	0	0
7:30 AM	0	1	28	0	0	0	20	19	0	0	0	0	0	23	0	0	91	359	0	0	0	0
7:45 AM	0	0	25	0	0	0	12	28	0	0	0	0	0	21	0	3	89	335	0	0	0	0
8:00 AM	0	1	25	0	0	0	20	18	0	0	0	0	0	21	0	0	85	316	0	0	1	0
8:15 AM	0	1	25	0	0	0	23	18	0	0	0	0	0	26	0	1	94		0	0	0	1
8:30 AM	0	0	21	0	0	0	12	17	0	0	0	0	0	15	0	2	67		0	0	0	0
8:45 AM	0	0	24	0	0	0	12	9	0	0	0	0	0	22	0	3	70		0	0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	4
Lights	0	2	97	0	0	0	71	78	0	0	0	0	0	82	0	2	332
Mediums	0	1	6	0	0	0	4	3	0	0	0	0	0	7	0	2	23
Total	0	3	103	0	0	0	75	83	0	0	0	0	0	91	0	4	359

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		6.6%				5.7%				0.0%				11.6%			7.5%
Heavy Vehicle %	0.0%	33.3%	5.8%	0.0%	0.0%	0.0%	5.3%	6.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.9%	0.0%	50.0%	7.5%
Peak Hour Factor		0.91				0.96				0.00				0.88			0.95
Peak Hour Factor	0.00	0.75	0.92	0.00	0.00	0.00	0.82	0.74	0.00	0.00	0.00	0.00	0.00	0.88	0.00	0.50	0.95



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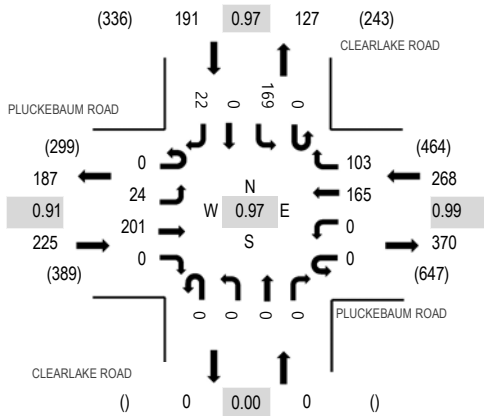
Location: 2 CLEARLAKE ROAD & PLUCKEBAUM ROAD AM

Date: Thursday, November 2, 2023

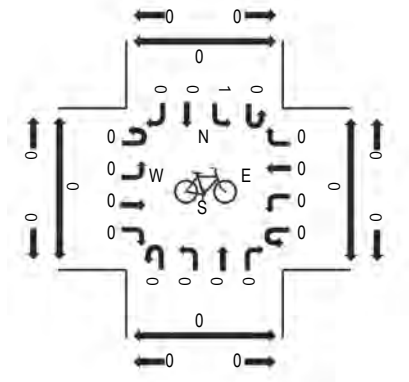
Peak Hour: 07:30 AM - 08:30 AM

Peak 15-Minutes: 07:45 AM - 08:00 AM

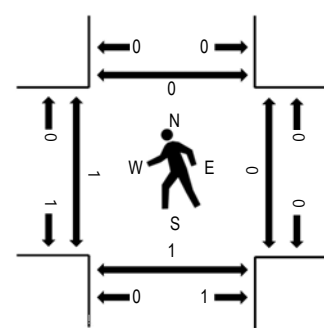
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	PLUCKEBAUM ROAD Eastbound				PLUCKEBAUM ROAD Westbound				CLEARLAKE ROAD Northbound				CLEARLAKE ROAD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00 AM	0	5	23	0	0	0	28	20	0	0	0	0	0	30	0	4	110	584	0	0	0	0
7:15 AM	0	7	33	0	0	0	28	21	0	0	0	0	0	29	0	3	121	637	0	0	0	0
7:30 AM	0	4	56	0	0	0	43	24	0	0	0	0	0	46	0	3	176	684	0	0	0	0
7:45 AM	0	8	54	0	0	0	39	29	0	0	0	0	0	41	0	6	177	646	1	0	1	0
8:00 AM	0	3	45	0	0	0	39	28	0	0	0	0	0	40	0	8	163	605	0	0	0	0
8:15 AM	0	9	46	0	0	0	44	22	0	0	0	0	0	42	0	5	168		0	0	0	0
8:30 AM	0	3	39	0	0	0	22	26	0	0	0	0	0	46	0	2	138		0	0	0	0
8:45 AM	0	6	48	0	0	0	23	28	0	0	0	0	0	29	0	2	136		0	0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	19	196	0	0	0	159	99	0	0	0	0	0	161	0	21	655
Mediums	0	5	5	0	0	0	6	4	0	0	0	0	0	8	0	1	29
Total	0	24	201	0	0	0	165	103	0	0	0	0	0	169	0	22	684

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		4.4%				3.7%				0.0%				4.7%			4.2%
Heavy Vehicle %	0.0%	20.8%	2.5%	0.0%	0.0%	0.0%	3.6%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	4.7%	0.0%	4.5%	4.2%
Peak Hour Factor		0.91				0.99				0.00				0.97			0.97
Peak Hour Factor	0.00	0.67	0.90	0.00	0.00	0.00	0.94	0.91	0.00	0.00	0.00	0.00	0.00	0.92	0.00	0.69	0.97



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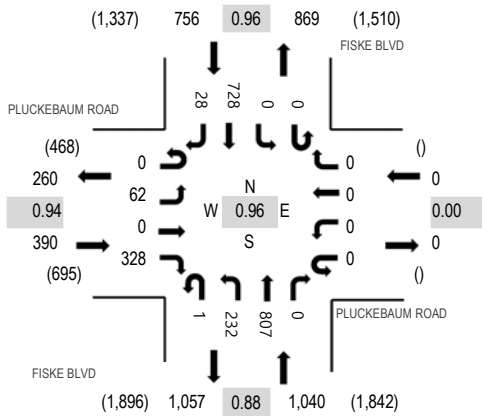
Location: 3 FISKE BLVD & PLUCKEBAUM ROAD AM

Date: Thursday, November 2, 2023

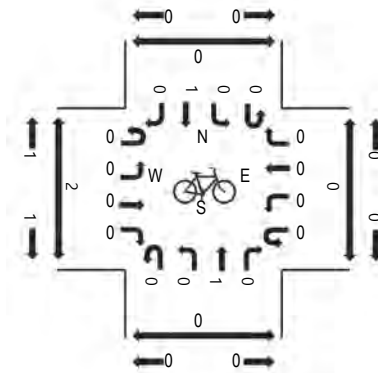
Peak Hour: 07:45 AM - 08:45 AM

Peak 15-Minutes: 08:00 AM - 08:15 AM

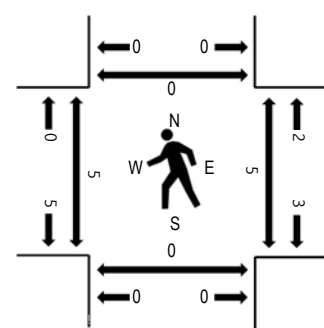
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	PLUCKEBAUM ROAD Eastbound				PLUCKEBAUM ROAD Westbound				FISKE BLVD Northbound				FISKE BLVD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00 AM	0	5	0	51	0	0	0	0	0	36	114	0	0	0	107	0	313	1,750	0	1	0	0
7:15 AM	0	9	0	61	0	0	0	0	0	40	148	0	0	0	144	2	404	2,008	0	1	0	0
7:30 AM	0	8	0	96	0	0	0	0	0	59	182	0	0	0	139	4	488	2,130	0	3	0	0
7:45 AM	0	17	0	89	0	0	0	0	1	67	195	0	0	0	171	5	545	2,186	5	3	0	0
8:00 AM	0	19	0	71	0	0	0	0	0	62	233	0	0	0	180	6	571	2,124	0	0	0	0
8:15 AM	0	15	0	84	0	0	0	0	0	58	170	0	0	0	191	8	526		0	1	0	0
8:30 AM	0	11	0	84	0	0	0	0	0	45	209	0	0	0	186	9	544		0	1	0	0
8:45 AM	0	9	0	66	0	0	0	0	0	57	166	0	0	0	175	10	483		0	2	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	1	0	0	0	0	0	0	2	0	0	0	5	0	8
Lights	0	61	0	314	0	0	0	0	1	224	790	0	0	0	695	24	2,109
Mediums	0	1	0	13	0	0	0	0	0	8	15	0	0	0	28	4	69
Total	0	62	0	328	0	0	0	0	1	232	807	0	0	0	728	28	2,186

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		3.8%				0.0%				2.4%				4.9%			3.5%
Heavy Vehicle %	0.0%	1.6%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	2.1%	0.0%	0.0%	0.0%	4.5%	14.3%	3.5%
Peak Hour Factor		0.94				0.00				0.88				0.96			0.96
Peak Hour Factor	0.00	0.82	0.00	0.89	0.00	0.00	0.00	0.00	0.25	0.92	0.87	0.00	0.00	0.00	0.96	0.83	0.96



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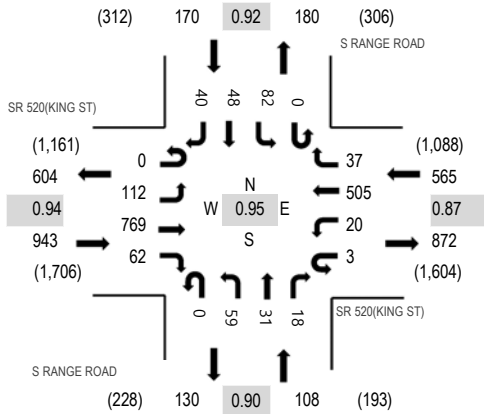
Location: 4 S RANGE ROAD & SR 520(KING ST) AM

Date: Thursday, November 2, 2023

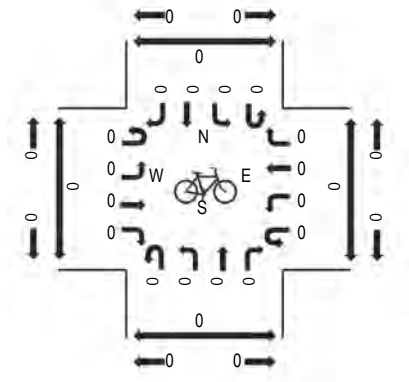
Peak Hour: 07:30 AM - 08:30 AM

Peak 15-Minutes: 08:15 AM - 08:30 AM

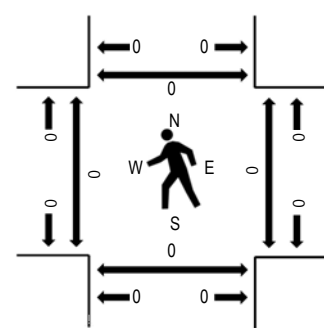
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	SR 520(KING ST) Eastbound				SR 520(KING ST) Westbound				S RANGE ROAD Northbound				S RANGE ROAD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00 AM	0	10	131	11	0	2	120	7	0	10	3	3	0	18	4	8	327	1,608	0	0	0	0
7:15 AM	1	32	169	13	0	7	90	9	0	12	4	6	0	15	4	5	367	1,684	0	0	0	0
7:30 AM	0	43	196	13	1	4	124	8	0	16	5	6	0	23	12	7	458	1,786	0	0	0	0
7:45 AM	0	25	190	16	1	8	131	11	0	14	13	1	0	19	12	15	456	1,720	0	0	0	0
8:00 AM	0	21	178	17	1	3	112	9	0	13	6	4	0	20	10	9	403	1,691	0	0	0	0
8:15 AM	0	23	205	16	0	5	138	9	0	16	7	7	0	20	14	9	469		0	0	0	0
8:30 AM	0	22	170	11	2	6	109	8	0	15	5	2	0	21	7	14	392		0	0	0	0
8:45 AM	1	12	165	15	2	12	139	10	0	15	4	6	0	22	6	18	427		0	0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	10	2	0	1	5	1	0	3	0	1	0	0	0	0	23
Lights	0	106	731	58	3	16	467	35	0	52	29	12	0	71	46	38	1,664
Mediums	0	6	28	2	0	3	33	1	0	4	2	5	0	11	2	2	99
Total	0	112	769	62	3	20	505	37	0	59	31	18	0	82	48	40	1,786

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		5.1%				7.8%				13.9%				8.8%			6.8%
Heavy Vehicle %	0.0%	5.4%	4.9%	6.5%	0.0%	20.0%	7.5%	5.4%	0.0%	11.9%	6.5%	33.3%	0.0%	13.4%	4.2%	5.0%	6.8%
Peak Hour Factor		0.94				0.87				0.90				0.92			0.95
Peak Hour Factor	0.25	0.70	0.94	0.91	0.63	0.54	0.91	0.84	0.00	0.92	0.60	0.68	0.00	0.94	0.86	0.69	0.95



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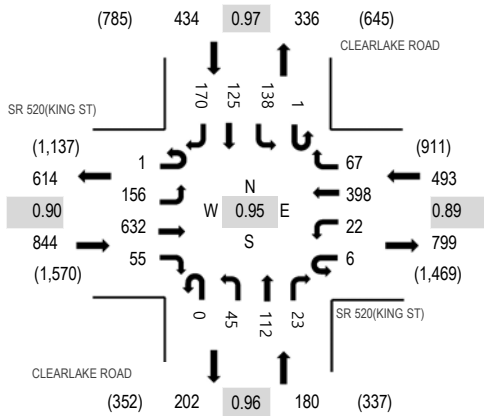
Location: 5 CLEARLAKE ROAD & SR 520(KING ST) AM

Date: Thursday, November 2, 2023

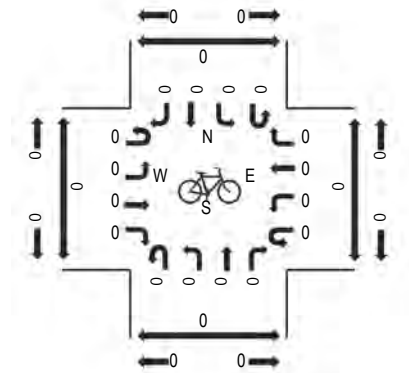
Peak Hour: 07:30 AM - 08:30 AM

Peak 15-Minutes: 07:30 AM - 07:45 AM

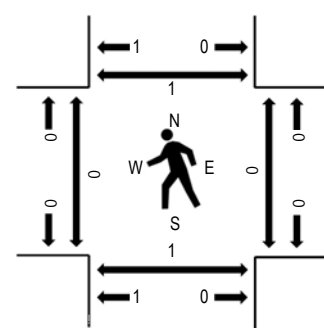
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	SR 520(KING ST) Eastbound				SR 520(KING ST) Westbound				CLEARLAKE ROAD Northbound				CLEARLAKE ROAD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00 AM	0	37	99	6	1	1	75	11	0	10	17	5	0	36	20	28	346	1,747	0	0	1	0
7:15 AM	0	52	130	9	0	4	64	8	0	13	28	4	0	28	17	32	389	1,854	0	0	0	0
7:30 AM	0	42	179	13	2	5	97	17	0	10	31	4	1	33	36	42	512	1,951	0	0	0	0
7:45 AM	0	36	159	17	1	3	110	18	0	13	30	1	0	31	29	52	500	1,898	0	0	0	0
8:00 AM	1	39	137	14	3	7	82	15	0	13	21	10	0	39	32	40	453	1,856	0	0	0	0
8:15 AM	0	39	157	11	0	7	109	17	0	9	30	8	0	35	28	36	486		0	0	1	1
8:30 AM	1	36	142	23	2	4	96	13	0	10	26	4	0	39	38	25	459		0	0	1	0
8:45 AM	1	42	143	5	1	2	118	18	0	10	21	9	0	27	21	40	458		0	1	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	2	8	0	0	0	5	0	0	0	0	0	0	2	0	0	17
Lights	1	145	603	52	6	20	368	65	0	42	106	22	1	127	119	160	1,837
Mediums	0	9	21	3	0	2	25	2	0	3	6	1	0	9	6	10	97
Total	1	156	632	55	6	22	398	67	0	45	112	23	1	138	125	170	1,951

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		5.1%				6.9%				5.6%				6.2%			5.8%
Heavy Vehicle %	0.0%	7.1%	4.6%	5.5%	0.0%	9.1%	7.5%	3.0%	0.0%	6.7%	5.4%	4.3%	0.0%	8.0%	4.8%	5.9%	5.8%
Peak Hour Factor		0.90				0.89				0.96				0.97			0.95
Peak Hour Factor	0.75	0.81	0.88	0.71	0.50	0.79	0.86	0.93	0.00	0.94	0.90	0.78	0.25	0.92	0.84	0.82	0.95



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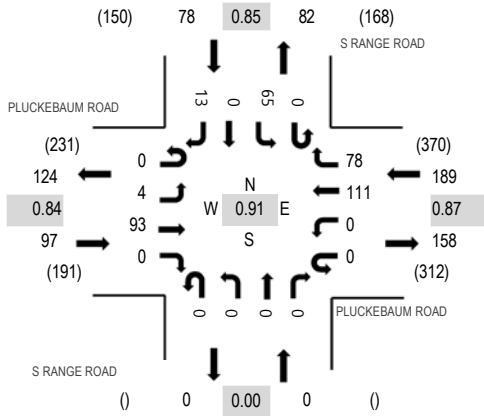
Location: 1 S RANGE ROAD & PLUCKEBAUM ROAD PM

Date: Thursday, November 2, 2023

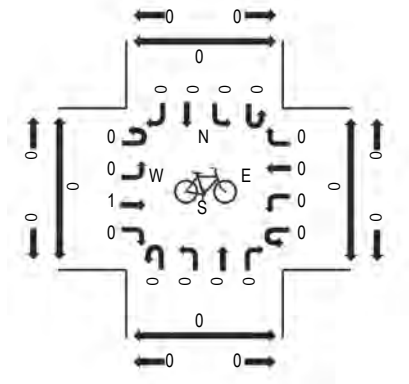
Peak Hour: 04:45 PM - 05:45 PM

Peak 15-Minutes: 05:30 PM - 05:45 PM

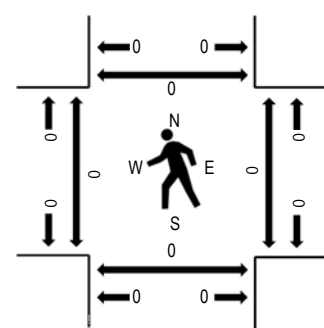
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	PLUCKEBAUM ROAD Eastbound				PLUCKEBAUM ROAD Westbound				S RANGE ROAD Northbound				S RANGE ROAD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	0	2	30	0	0	0	20	21	0	0	0	0	0	19	0	0	92	354	0	0	0	0
4:15 PM	0	1	18	0	0	0	24	15	0	0	0	0	0	20	0	1	79	344	0	0	0	0
4:30 PM	0	2	23	0	0	0	27	23	0	0	0	0	0	18	0	0	93	357	0	0	0	0
4:45 PM	0	1	30	0	0	0	22	19	0	0	0	0	0	17	0	1	90	364	0	0	0	0
5:00 PM	0	0	16	0	0	0	29	17	0	0	0	0	0	18	0	2	82	357	0	0	0	0
5:15 PM	0	0	18	0	0	0	35	22	0	0	0	0	0	16	0	1	92		0	0	0	0
5:30 PM	0	3	29	0	0	0	25	20	0	0	0	0	0	14	0	9	100		0	0	0	0
5:45 PM	0	1	17	0	0	0	30	21	0	0	0	0	0	9	0	5	83		0	0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Lights	0	4	91	0	0	0	110	75	0	0	0	0	0	61	0	12	353
Mediums	0	0	2	0	0	0	1	3	0	0	0	0	0	3	0	1	10
Total	0	4	93	0	0	0	111	78	0	0	0	0	0	65	0	13	364

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		2.1%				2.1%				0.0%				6.4%			3.0%
Heavy Vehicle %	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.9%	3.8%	0.0%	0.0%	0.0%	0.0%	0.0%	6.2%	0.0%	7.7%	3.0%
Peak Hour Factor		0.84				0.87				0.00				0.85			0.91
Peak Hour Factor	0.00	0.75	0.84	0.00	0.00	0.00	0.85	0.88	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.47	0.91



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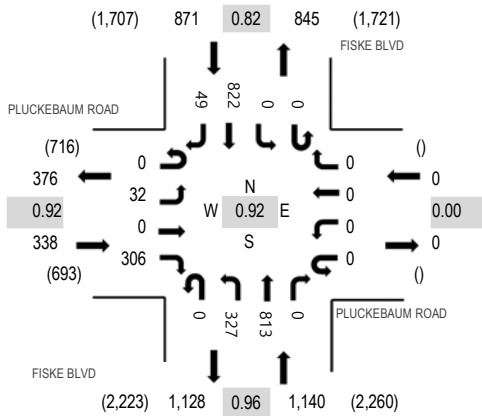
Location: 3 FISKE BLVD & PLUCKEBAUM ROAD PM

Date: Thursday, November 2, 2023

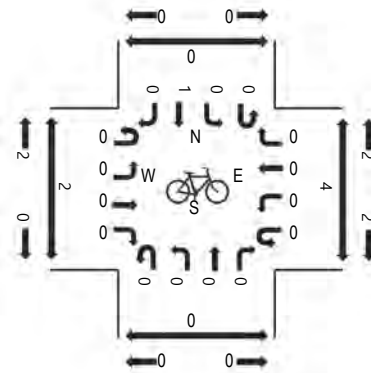
Peak Hour: 05:00 PM - 06:00 PM

Peak 15-Minutes: 05:15 PM - 05:30 PM

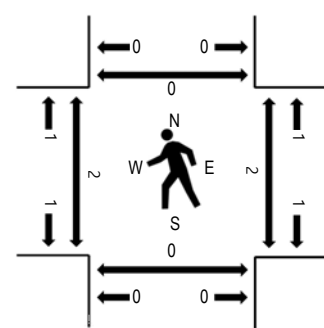
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	PLUCKEBAUM ROAD Eastbound				PLUCKEBAUM ROAD Westbound				FISKE BLVD Northbound				FISKE BLVD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	0	14	0	82	0	0	0	0	0	74	213	0	0	0	207	9	599	2,311	0	2	0	0
4:15 PM	0	16	0	77	0	0	0	0	0	64	205	0	0	0	175	15	552	2,244	0	3	0	0
4:30 PM	0	10	0	79	0	0	0	0	0	73	228	0	0	0	199	15	604	2,330	1	5	0	0
4:45 PM	0	3	0	74	0	0	0	0	0	76	187	0	0	0	202	14	556	2,302	1	1	0	0
5:00 PM	0	7	0	66	0	0	0	0	0	79	191	0	0	0	177	12	532	2,349	0	0	0	0
5:15 PM	0	8	0	82	0	0	0	0	0	84	194	0	0	0	257	13	638		2	1	0	0
5:30 PM	0	5	0	79	0	0	0	0	0	80	217	0	0	0	186	9	576		0	0	0	0
5:45 PM	0	12	0	79	0	0	0	0	0	84	211	0	0	0	202	15	603		0	1	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Lights	0	32	0	302	0	0	0	0	0	322	804	0	0	0	809	49	2,318
Mediums	0	0	0	4	0	0	0	0	0	4	9	0	0	0	13	0	30
Total	0	32	0	306	0	0	0	0	0	327	813	0	0	0	822	49	2,349

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		1.2%				0.0%				1.2%				1.5%			1.3%
Heavy Vehicle %	0.0%	0.0%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	1.1%	0.0%	0.0%	0.0%	1.6%	0.0%	1.3%
Peak Hour Factor		0.92				0.00				0.96				0.82			0.92
Peak Hour Factor	0.00	0.67	0.00	0.95	0.00	0.00	0.00	0.00	0.00	0.97	0.91	0.00	0.00	0.00	0.81	0.93	0.92



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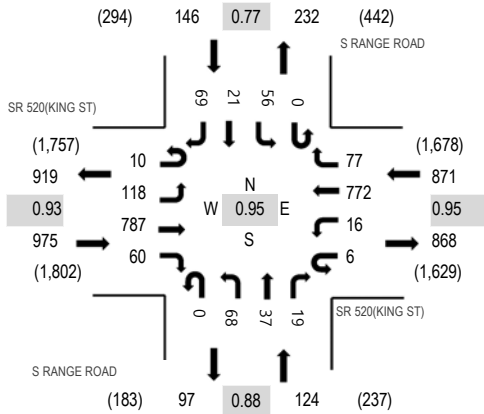
Location: 4 S RANGE ROAD & SR 520(KING ST) PM

Date: Thursday, November 2, 2023

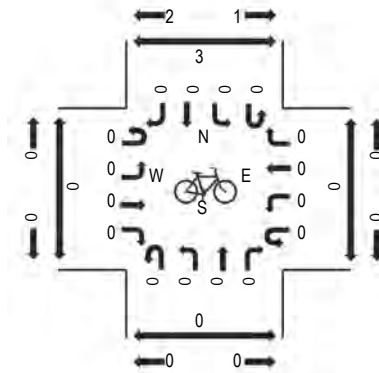
Peak Hour: 04:45 PM - 05:45 PM

Peak 15-Minutes: 05:30 PM - 05:45 PM

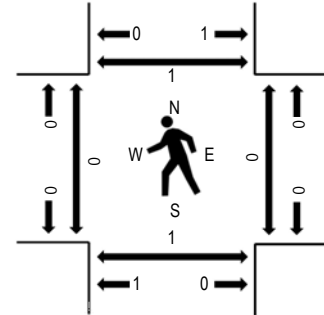
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	SR 520(KING ST) Eastbound				SR 520(KING ST) Westbound				S RANGE ROAD Northbound				S RANGE ROAD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	3	23	153	15	2	2	179	16	0	11	10	4	0	21	10	13	462	1,954	0	0	1	0
4:15 PM	2	33	176	9	4	1	198	17	0	13	10	7	0	18	13	18	519	2,006	0	0	0	0
4:30 PM	2	18	169	10	0	5	190	14	0	17	9	1	0	13	7	7	462	2,021	0	0	0	0
4:45 PM	4	30	177	16	1	5	200	18	0	12	10	7	0	14	7	10	511	2,116	0	0	0	0
5:00 PM	0	29	195	6	1	1	189	19	0	19	8	8	0	16	5	18	514	2,057	0	0	0	0
5:15 PM	2	29	208	18	2	6	172	28	0	16	6	2	0	15	5	25	534		0	0	1	1
5:30 PM	4	30	207	20	2	4	211	12	0	21	13	2	0	11	4	16	557		0	0	0	0
5:45 PM	0	32	174	8	2	2	156	19	0	17	9	5	0	12	4	12	452		0	0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	2	5	1	0	0	2	0	0	0	0	0	0	0	0	1	11
Lights	9	109	761	51	5	15	758	72	0	68	35	17	0	52	21	66	2,039
Mediums	1	7	21	8	1	1	12	5	0	0	2	2	0	4	0	2	66
Total	10	118	787	60	6	16	772	77	0	68	37	19	0	56	21	69	2,116

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		4.6%				2.4%				3.2%				4.8%			3.6%
Heavy Vehicle %	10.0%	7.6%	3.3%	15.0%	16.7%	6.3%	1.8%	6.5%	0.0%	0.0%	5.4%	10.5%	0.0%	7.1%	0.0%	4.3%	3.6%
Peak Hour Factor		0.93				0.95				0.88				0.77			0.95
Peak Hour Factor	0.69	0.94	0.95	0.75	0.44	0.71	0.97	0.71	0.00	0.87	0.98	0.72	0.00	0.79	0.71	0.71	0.95



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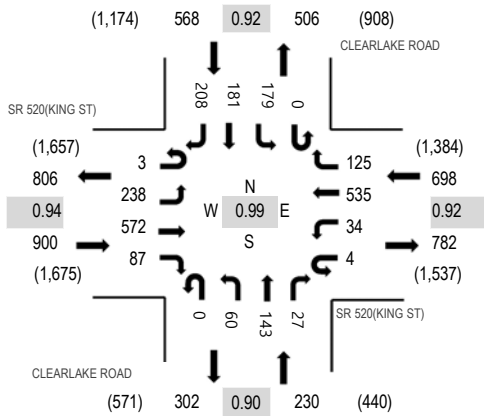
Location: 5 CLEARLAKE ROAD & SR 520(KING ST) PM

Date: Thursday, November 2, 2023

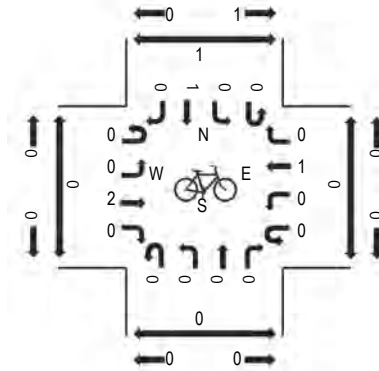
Peak Hour: 05:00 PM - 06:00 PM

Peak 15-Minutes: 05:00 PM - 05:15 PM

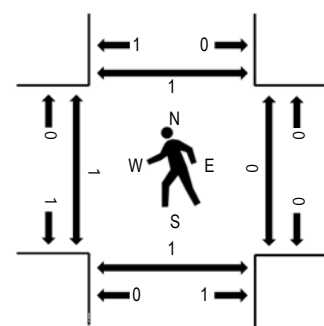
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	SR 520(KING ST) Eastbound				SR 520(KING ST) Westbound				CLEARLAKE ROAD Northbound				CLEARLAKE ROAD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	0	46	129	23	2	5	122	20	0	19	26	7	0	52	60	53	564	2,277	0	0	0	0
4:15 PM	0	39	136	13	1	5	145	31	0	12	37	9	0	48	41	55	572	2,320	0	0	0	0
4:30 PM	0	42	134	16	2	6	153	21	0	11	26	3	0	53	41	63	571	2,352	0	0	0	0
4:45 PM	0	51	128	18	2	4	144	23	0	14	40	6	0	43	37	60	570	2,376	0	0	0	0
5:00 PM	1	61	149	20	2	9	119	34	0	14	30	7	0	52	49	60	607	2,396	1	0	0	1
5:15 PM	1	63	155	21	0	5	161	28	0	15	39	5	0	38	31	42	604		0	0	0	0
5:30 PM	1	64	123	22	1	7	130	31	0	14	34	8	0	45	54	61	595		0	0	1	0
5:45 PM	0	50	145	24	1	13	125	32	0	17	40	7	0	44	47	45	590		0	0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	1	3	0	0	1	2	0	0	1	1	0	0	0	1	0	10
Lights	3	236	555	84	4	33	515	123	0	57	141	27	0	175	178	200	2,331
Mediums	0	1	14	3	0	0	18	2	0	2	1	0	0	4	2	8	55
Total	3	238	572	87	4	34	535	125	0	60	143	27	0	179	181	208	2,396

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %	2.4%				3.3%				2.2%				2.6%				2.7%
Heavy Vehicle %	0.0%	0.8%	3.0%	3.4%	0.0%	2.9%	3.7%	1.6%	0.0%	5.0%	1.4%	0.0%	0.0%	2.2%	1.7%	3.8%	2.7%
Peak Hour Factor	0.94				0.92				0.90				0.92				0.99
Peak Hour Factor	0.75	0.93	0.92	0.91	0.88	0.65	0.90	0.92	0.00	0.88	0.89	0.84	0.00	0.92	0.84	0.94	0.99

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Page 1

Site Code: 1
Station ID: 1
CLEARLAKE ROAD NORTH OF
PLUCKEBAUM ROAD

Start Time	07-Nov-23 Tues	NB		Hour Totals		SB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		1	28			7	44				
12:15		1	31			1	44				
12:30		1	31			2	45				
12:45		1	22	4	112	1	38	11	171	15	283
01:00		1	25			0	39				
01:15		0	24			1	38				
01:30		1	25			0	41				
01:45		0	23	2	97	2	38	3	156	5	253
02:00		0	32			2	49				
02:15		0	18			1	39				
02:30		1	46			1	45				
02:45		1	40	2	136	1	37	5	170	7	306
03:00		0	48			1	45				
03:15		0	40			4	40				
03:30		1	34			0	36				
03:45		0	35	1	157	3	62	8	183	9	340
04:00		1	36			1	74				
04:15		5	49			5	56				
04:30		5	49			2	55				
04:45		2	35	13	169	9	58	17	243	30	412
05:00		2	35			5	52				
05:15		6	36			10	61				
05:30		8	55			11	59				
05:45		13	47	29	173	22	46	48	218	77	391
06:00		7	44			24	54				
06:15		14	20			18	45				
06:30		14	34			34	30				
06:45		20	16	55	114	44	39	120	168	175	282
07:00		28	13			36	22				
07:15		27	22			40	21				
07:30		27	19			42	31				
07:45		32	12	114	66	55	23	173	97	287	163
08:00		27	11			46	40				
08:15		29	16			41	21				
08:30		34	14			39	18				
08:45		31	10	121	51	47	22	173	101	294	152
09:00		43	3			48	16				
09:15		28	4			49	19				
09:30		21	8			30	11				
09:45		22	4	114	19	36	16	163	62	277	81
10:00		17	13			28	8				
10:15		25	6			34	13				
10:30		24	1			25	4				
10:45		30	1	96	21	41	4	128	29	224	50
11:00		33	2			39	9				
11:15		25	3			18	4				
11:30		21	2			32	2				
11:45		25	4	104	11	28	5	117	20	221	31
Total		655	1126			966	1618			1621	2744
Percent		36.8%	63.2%			37.4%	62.6%			37.1%	62.9%
Grand Total		655	1126			966	1618			1621	2744
Percent		36.8%	63.2%			37.4%	62.6%			37.1%	62.9%
ADT		ADT 4,365		AADT 4,365							

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Page 1

Site Code: 2
Station ID: 2
PLUCKEBAUM ROAD WEST OF
CLEARLAKE ROAD

Start Time	07-Nov-23 Tues	EB		Hour Totals		WB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		1	27			6	41				
12:15		2	37			2	34				
12:30		1	25			2	48				
12:45		1	32	5	121	0	44	10	167	15	288
01:00		1	38			0	47				
01:15		1	27			1	32				
01:30		1	30			0	37				
01:45		0	27	3	122	1	23	2	139	5	261
02:00		0	39			1	42				
02:15		1	35			0	36				
02:30		0	37			1	35				
02:45		1	49	2	160	1	45	3	158	5	318
03:00		1	43			2	56				
03:15		4	46			2	47				
03:30		2	42			2	43				
03:45		0	46	7	177	2	47	8	193	15	370
04:00		3	48			1	53				
04:15		4	48			2	49				
04:30		6	49			3	59				
04:45		3	50	16	195	1	62	7	223	23	418
05:00		2	49			4	71				
05:15		7	47			7	65				
05:30		7	53			5	59				
05:45		9	43	25	192	12	40	28	235	53	427
06:00		15	32			12	36				
06:15		27	34			16	33				
06:30		26	17			19	31				
06:45		39	19	107	102	25	28	72	128	179	230
07:00		42	20			21	20				
07:15		55	15			32	13				
07:30		53	9			47	20				
07:45		76	14	226	58	36	13	136	66	362	124
08:00		55	11			42	18				
08:15		39	21			39	14				
08:30		44	11			47	10				
08:45		45	4	183	47	39	15	167	57	350	104
09:00		45	13			29	20				
09:15		32	7			42	11				
09:30		27	13			31	7				
09:45		37	9	141	42	25	10	127	48	268	90
10:00		24	6			28	5				
10:15		23	5			31	5				
10:30		32	5			35	8				
10:45		26	5	105	21	32	2	126	20	231	41
11:00		33	0			26	3				
11:15		21	0			31	9				
11:30		26	4			27	1				
11:45		36	4	116	8	30	4	114	17	230	25
Total		936	1245			800	1451			1736	2696
Percent		42.9%	57.1%			35.5%	64.5%			39.2%	60.8%
Grand Total		936	1245			800	1451			1736	2696
Percent		42.9%	57.1%			35.5%	64.5%			39.2%	60.8%
ADT		ADT 4,432									
				AADT 4,432							

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Page 1

Site Code: 3
Station ID: 3
PLUCKEBAUM ROAD EAST OF
CLEARLAKE ROAD

Start Time	07-Nov-23 Tues	EB		Hour Totals		WB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		7	59			6	57				
12:15		3	67			3	52				
12:30		3	55			3	65				
12:45		2	63	15	244	1	59	13	233	28	477
01:00		1	64			1	59				
01:15		2	58			1	49				
01:30		1	66			1	57				
01:45		2	57	6	245	1	38	4	203	10	448
02:00		2	70			1	56				
02:15		2	67			0	47				
02:30		1	65			2	64				
02:45		2	74	7	276	2	73	5	240	12	516
03:00		2	76			2	92				
03:15		6	70			0	71				
03:30		1	70			2	69				
03:45		3	91	12	307	2	65	6	297	18	604
04:00		4	107			2	74				
04:15		7	93			5	87				
04:30		5	92			5	96				
04:45		10	100	26	392	1	89	13	346	39	738
05:00		7	88			6	93				
05:15		11	96			7	89				
05:30		15	95			10	97				
05:45		28	82	61	361	22	80	45	359	106	720
06:00		35	75			15	69				
06:15		39	73			24	47				
06:30		55	40			28	58				
06:45		78	50	207	238	40	36	107	210	314	448
07:00		67	36			38	27				
07:15		83	35			47	34				
07:30		82	38			61	37				
07:45		124	34	356	143	61	22	207	120	563	263
08:00		91	50			59	28				
08:15		75	40			63	28				
08:30		72	27			70	22				
08:45		83	25	321	142	61	24	253	102	574	244
09:00		82	27			60	21				
09:15		70	23			59	12				
09:30		53	24			48	15				
09:45		68	25	273	99	42	14	209	62	482	161
10:00		45	13			38	17				
10:15		43	17			42	10				
10:30		51	9			53	9				
10:45		61	9	200	48	56	3	189	39	389	87
11:00		60	9			47	5				
11:15		31	4			48	12				
11:30		51	6			41	3				
11:45		57	7	199	26	48	6	184	26	383	52
Total		1683	2521			1235	2237			2918	4758
Percent		40.0%	60.0%			35.6%	64.4%			38.0%	62.0%
Grand Total		1683	2521			1235	2237			2918	4758
Percent		40.0%	60.0%			35.6%	64.4%			38.0%	62.0%
ADT		ADT 7,676		AADT 7,676							

APPENDIX D

FDOT's Florida Traffic Online (FTO) Data

2022 PEAK SEASON FACTOR CATEGORY REPORT - REPORT TYPE: ALL
 CATEGORY: 7000 BREVARD COUNTYWIDE

WEEK	DATES	SF	MOCF: 0.93 PSCF
1	01/01/2022 - 01/01/2022	1.03	1.11
2	01/02/2022 - 01/08/2022	1.02	1.10
3	01/09/2022 - 01/15/2022	1.01	1.09
4	01/16/2022 - 01/22/2022	0.99	1.06
5	01/23/2022 - 01/29/2022	0.98	1.05
* 6	01/30/2022 - 02/05/2022	0.96	1.03
* 7	02/06/2022 - 02/12/2022	0.94	1.01
* 8	02/13/2022 - 02/19/2022	0.92	0.99
* 9	02/20/2022 - 02/26/2022	0.92	0.99
*10	02/27/2022 - 03/05/2022	0.91	0.98
*11	03/06/2022 - 03/12/2022	0.91	0.98
*12	03/13/2022 - 03/19/2022	0.90	0.97
*13	03/20/2022 - 03/26/2022	0.91	0.98
*14	03/27/2022 - 04/02/2022	0.92	0.99
*15	04/03/2022 - 04/09/2022	0.93	1.00
*16	04/10/2022 - 04/16/2022	0.94	1.01
*17	04/17/2022 - 04/23/2022	0.95	1.02
*18	04/24/2022 - 04/30/2022	0.96	1.03
19	05/01/2022 - 05/07/2022	0.97	1.04
20	05/08/2022 - 05/14/2022	0.98	1.05
21	05/15/2022 - 05/21/2022	0.99	1.06
22	05/22/2022 - 05/28/2022	1.00	1.08
23	05/29/2022 - 06/04/2022	1.02	1.10
24	06/05/2022 - 06/11/2022	1.04	1.12
25	06/12/2022 - 06/18/2022	1.05	1.13
26	06/19/2022 - 06/25/2022	1.05	1.13
27	06/26/2022 - 07/02/2022	1.05	1.13
28	07/03/2022 - 07/09/2022	1.05	1.13
29	07/10/2022 - 07/16/2022	1.05	1.13
30	07/17/2022 - 07/23/2022	1.04	1.12
31	07/24/2022 - 07/30/2022	1.04	1.12
32	07/31/2022 - 08/06/2022	1.04	1.12
33	08/07/2022 - 08/13/2022	1.04	1.12
34	08/14/2022 - 08/20/2022	1.04	1.12
35	08/21/2022 - 08/27/2022	1.05	1.13
36	08/28/2022 - 09/03/2022	1.06	1.14
37	09/04/2022 - 09/10/2022	1.07	1.15
38	09/11/2022 - 09/17/2022	1.08	1.16
39	09/18/2022 - 09/24/2022	1.06	1.14
40	09/25/2022 - 10/01/2022	1.04	1.12
41	10/02/2022 - 10/08/2022	1.02	1.10
42	10/09/2022 - 10/15/2022	1.00	1.08
43	10/16/2022 - 10/22/2022	1.02	1.10
44	10/23/2022 - 10/29/2022	1.03	1.11
45	10/30/2022 - 11/05/2022	1.04	1.12
46	11/06/2022 - 11/12/2022	1.05	1.13
47	11/13/2022 - 11/19/2022	1.06	1.14
48	11/20/2022 - 11/26/2022	1.05	1.13
49	11/27/2022 - 12/03/2022	1.05	1.13
50	12/04/2022 - 12/10/2022	1.04	1.12
51	12/11/2022 - 12/17/2022	1.03	1.11
52	12/18/2022 - 12/24/2022	1.02	1.10
53	12/25/2022 - 12/31/2022	1.01	1.09

* PEAK SEASON

23-FEB-2023 09:11:22

830UPD

5_7000_PKSEASON.TXT

APPENDIX E

Turning Movement Volume Worksheets

Intersection Development Worksheet



Expect More. Experience Better.

Intersection #: 1
Major Street: Range Rd N/S
Minor Street: Pluckebaum Rd E/W

Existing Year: 2023
Buildout Year: 2025
Seasonal Factor: 1.04
Pre-COVID 19 Factor: -

TMC Year: 2023

AM Peak Hour Trips: IN = 42 OUT = 119

PHF: 0.950

Weekday AM Peak Hour 7:30 AM - 8:30 AM	Range Rd								Pluckebaum Rd							
	Northbound				Southbound				Eastbound				Westbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2023)	0	0	0	0	0	91	0	4	0	3	103	0	0	0	75	83
Seasonal Factor	1.04				1.04				1.04				1.04			
Heavy Vehicle (%)	0%	0%	0%	0%	0%	10%	0%	50%	0%	33%	6%	0%	0%	0%	5%	6%
Existing (2023)	0	0	0	0	0	95	0	4	0	3	107	0	0	0	78	86
Growth Rates	2.00%				2.00%				2.00%				2.00%			
Growth Factor	1.04				1.04				1.04				1.04			
Background (2025)	0	0	0	0	0	99	0	4	0	3	111	0	0	0	81	89
Project Assignment																
Ingress					13%				3%							
Egress													3%			
Project Trips	0	0	0	0	0	6	0	0	0	0	1	0	0	0	4	15
Project Buildout	0	0	0	0	0	105	0	4	0	3	112	0	0	0	85	104

PHF: 0.910

PM Peak Hour Trips: IN = 125 OUT = 73

Weekday PM Peak Hour 4:45 PM - 5:45 PM	Range Rd								Pluckebaum Rd							
	Northbound				Southbound				Eastbound				Westbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2023)	0	0	0	0	0	65	0	13	0	4	93	0	0	0	111	78
Seasonal Factor	1.04				1.04				1.04				1.04			
Heavy Vehicle (%)	0%	0%	0%	0%	0%	6%	0%	8%	0%	0%	2%	0%	0%	0%	1%	4%
Existing (2023)	0	0	0	0	0	68	0	14	0	4	97	0	0	0	115	81
Growth Rates	2.00%				2.00%				2.00%				2.00%			
Growth Factor	1.04				1.04				1.04				1.04			
Background (2025)	0	0	0	0	0	71	0	15	0	4	101	0	0	0	120	84
Project Assignment																
Ingress					13%				3%							
Egress													3%			
Project Trips	0	0	0	0	0	16	0	0	0	0	4	0	0	0	3	10
Project Buildout	0	0	0	0	0	87	0	15	0	4	105	0	0	0	123	94

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Intersection Development Worksheet



Expect More. Experience Better.

Intersection #: 2
 Major Street: Clearlake Rd N/S
 Minor Street: Pluckebaum Rd E/W
 Existing Year: 2023
 Buildout Year: 2025
 Seasonal Factor: 1.04
 Pre-COVID 19 Factor: -

TMC Year: 2023

AM Peak Hour Trips: IN = 42 OUT = 119

PHF: 0.970

Weekday AM Peak Hour 7:30 AM - 8:30 AM	Clearlake Rd								Pluckebaum Rd							
	Northbound				Southbound				Eastbound				Westbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2023)	0	0	0	0	0	169	0	22	0	24	201	0	0	0	165	103
Seasonal Factor	1.04				1.04				1.04				1.04			
Heavy Vehicle (%)	0%	0%	0%	0%	0%	5%	0%	5%	0%	21%	2%	0%	0%	0%	4%	4%
Existing (2023)	0	0	0	0	0	176	0	23	0	25	209	0	0	0	172	107
Growth Rates	2.00%				2.00%				2.00%				2.00%			
Growth Factor	1.04				1.04				1.04				1.04			
Background (2025)	0	0	0	0	0	183	0	24	0	26	217	0	0	0	179	111
Project Assignment																
Ingress													54%			
Egress					5%				5%				54%			
Project Trips	0	0	0	0	0	6	0	0	0	6	64	0	0	0	23	2
Project Buildout	0	0	0	0	0	189	0	24	0	32	281	0	0	0	202	113

PHF: 0.960

PM Peak Hour Trips: IN = 125 OUT = 73

Weekday PM Peak Hour 5:00 PM - 6:00 PM	Clearlake Rd								Pluckebaum Rd							
	Northbound				Southbound				Eastbound				Westbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2023)	0	0	0	0	0	185	0	25	0	22	157	0	0	0	219	142
Seasonal Factor	1.04				1.04				1.04				1.04			
Heavy Vehicle (%)	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	2%	0%	0%	0%	2%	0%
Existing (2023)	0	0	0	0	0	192	0	26	0	23	163	0	0	0	228	148
Growth Rates	2.00%				2.00%				2.00%				2.00%			
Growth Factor	1.04				1.04				1.04				1.04			
Background (2025)	0	0	0	0	0	200	0	27	0	24	170	0	0	0	237	154
Project Assignment																
Ingress													54%			
Egress					5%				5%				54%			
Project Trips	0	0	0	0	0	4	0	0	0	4	39	0	0	0	68	7
Project Buildout	0	0	0	0	0	204	0	27	0	28	209	0	0	0	305	161

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Intersection Development Worksheet



Expect More. Experience Better.

Intersection #: 3
Major Street: Fiske Blvd N/S
Minor Street: Pluckebaum Rd E/W

Existing Year: 2023
Buildout Year: 2025
Seasonal Factor: 1.04
Pre-COVID 19 Factor: -

TMC Year: 2023

AM Peak Hour Trips: IN = 42 OUT = 119

PHF: 0.960

Weekday AM Peak Hour 7:45 AM - 8:45 AM	Fiske Blvd								Pluckebaum Rd							
	Northbound				Southbound				Eastbound				Westbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2023)	1	232	807	0	0	0	728	28	0	62	0	328	0	0	0	0
Seasonal Factor			1.04				1.04				1.04				1.04	
Heavy Vehicle (%)	0%	3%	2%	0%	0%	0%	5%	14%	0%	2%	0%	4%	0%	0%	0%	0%
Existing (2023)	1	241	839	0	0	0	757	29	0	64	0	341	0	0	0	0
Growth Rates			2.00%				2.00%				2.00%				2.00%	
Growth Factor			1.04				1.04				1.04				1.04	
Background (2025)	1	251	873	0	0	0	787	30	0	67	0	355	0	0	0	0
Project Assignment																
Ingress		33%					24%			24%		33%				
Egress																
Project Trips	0	14	0	0	0	0	0	11	0	29	0	40	0	0	0	0
Project Buildout	1	265	873	0	0	0	787	41	0	96	0	395	0	0	0	0

PHF: 0.920

PM Peak Hour Trips: IN = 125 OUT = 73

Weekday PM Peak Hour 5:00 PM - 6:00 PM	Fiske Blvd								Pluckebaum Rd							
	Northbound				Southbound				Eastbound				Westbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2023)	0	327	813	0	0	0	822	49	0	32	0	306	0	0	0	0
Seasonal Factor			1.04				1.04				1.04				1.04	
Heavy Vehicle (%)	0%	2%	1%	0%	0%	0%	2%	0%	0%	0%	0%	1%	0%	0%	0%	0%
Existing (2023)	0	340	846	0	0	0	855	51	0	33	0	318	0	0	0	0
Growth Rates			2.00%				2.00%				2.00%				2.00%	
Growth Factor			1.04				1.04				1.04				1.04	
Background (2025)	0	354	879	0	0	0	889	53	0	34	0	331	0	0	0	0
Project Assignment																
Ingress		33%					24%			24%		33%				
Egress																
Project Trips	0	42	0	0	0	0	0	30	0	18	0	25	0	0	0	0
Project Buildout	0	396	879	0	0	0	889	83	0	52	0	356	0	0	0	0

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Intersection Development Worksheet



Expect More. Experience Better.

Intersection #: 4
 Major Street: Clearlake Rd N/S
 Minor Street: SR 520 E/W
 Existing Year: 2023
 Buildout Year: 2025
 Seasonal Factor: 1.04
 Pre-COVID 19 Factor: -

TMC Year: 2023

AM Peak Hour Trips: IN = 42 OUT = 119

PHF: 0.950

Weekday AM Peak Hour 7:30 AM - 8:30 AM	Clearlake Rd								SR 520							
	Northbound				Southbound				Eastbound				Westbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2023)	0	45	112	23	1	138	125	170	1	156	632	55	6	22	398	67
Seasonal Factor			1.04				1.04				1.04				1.04	
Heavy Vehicle (%)	0%	7%	5%	4%	0%	8%	5%	6%	0%	7%	5%	5%	0%	9%	8%	3%
Existing (2023)	0	47	116	24	1	144	130	177	1	162	657	57	6	23	414	70
Growth Rates			2.00%				2.00%				2.00%				2.00%	
Growth Factor			1.04				1.04				1.04				1.04	
Background (2025)	0	49	121	25	1	150	135	184	1	168	683	59	6	24	431	73
Project Assignment																
Ingress							22%					1%			1%	
Egress		1%	22%	1%												
Project Trips	0	2	26	2	0	0	9	0	0	0	0	1	0	1	0	0
Project Buildout	0	51	147	27	1	150	144	184	1	168	683	60	6	25	431	73

PM Peak Hour Trips: IN = 125 OUT = 73

PHF: 0.990

Weekday PM Peak Hour 5:00 PM - 6:00 PM	Clearlake Rd								SR 520							
	Northbound				Southbound				Eastbound				Westbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2023)	0	60	143	27	0	179	181	208	3	238	572	87	4	34	535	125
Seasonal Factor			1.04				1.04				1.04				1.04	
Heavy Vehicle (%)	0%	5%	1%	0%	0%	2%	2%	4%	0%	1%	3%	3%	0%	3%	4%	2%
Existing (2023)	0	62	149	28	0	186	188	216	3	248	595	90	4	35	556	130
Growth Rates			2.00%				2.00%				2.00%				2.00%	
Growth Factor			1.04				1.04				1.04				1.04	
Background (2025)	0	64	154	29	0	194	196	225	3	258	619	94	4	36	578	135
Project Assignment																
Ingress							22%					1%			1%	
Egress		1%	22%	1%												
Project Trips	0	1	17	1	0	0	28	0	0	0	0	1	0	1	0	0
Project Buildout	0	65	171	30	0	194	224	225	3	258	619	95	4	37	578	135

Intersection Development Worksheet



Expect More. Experience Better.

Intersection #: 5
Major Street: Range Rd N/S
Minor Street: SR 520 E/W

Existing Year: 2023
Buildout Year: 2025
Seasonal Factor: 1.04
Pre-COVID 19 Factor: -

TMC Year: 2023

AM Peak Hour Trips: IN = 42 OUT = 119

PHF: 0.950

Weekday AM Peak Hour #N/A	Range Rd								SR 520							
	Northbound				Southbound				Eastbound				Westbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2023)	0	59	31	18	0	82	48	40	0	112	769	62	3	20	505	37
Seasonal Factor	1.04				1.04				1.04				1.04			
Heavy Vehicle (%)	0%	12%	6%	33%	0%	13%	4%	5%	0%	5%	5%	6%	0%	0%	1%	5%
Existing (2023)	0	61	32	19	0	85	50	42	0	116	800	64	3	21	525	38
Growth Rates	2.00%				2.00%				2.00%				2.00%			
Growth Factor	1.04				1.04				1.04				1.04			
Background (2025)	0	63	33	20	0	88	52	44	0	121	832	67	3	22	546	40
Project Assignment																
Ingress																
Egress																
Project Trips	0	14	0	1	0	0	0	0	0	0	0	5	0	0	0	0
Project Buildout	0	77	33	21	0	88	52	44	0	121	832	72	3	22	546	40

PHF: 0.950

PM Peak Hour Trips: IN = 125 OUT = 73

Weekday PM Peak Hour #N/A	Range Rd								SR 520							
	Northbound				Southbound				Eastbound				Westbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2023)	0	68	37	19	0	56	21	69	10	118	787	60	6	16	772	77
Seasonal Factor	1.04				1.04				1.04				1.04			
Heavy Vehicle (%)	0%	0%	5%	11%	0%	7%	0%	4%	10%	8%	3%	15%	17%	6%	2%	6%
Existing (2023)	0	71	38	20	0	58	22	72	10	123	818	62	6	17	803	80
Growth Rates	2.00%				2.00%				2.00%				2.00%			
Growth Factor	1.04				1.04				1.04				1.04			
Background (2025)	0	74	39	21	0	61	23	75	10	128	851	64	6	18	835	83
Project Assignment																
Ingress																
Egress																
Project Trips	0	8	0	1	0	0	1	0	0	0	0	15	0	0	0	0
Project Buildout	0	82	39	22	0	61	24	75	10	128	851	79	6	18	835	83

Intersection Development Worksheet



Expect More. Experience Better.

Intersection #:

Major Street:

Minor Street:

Existing Year:

Buildout Year:

Seasonal Factor:

Pre-COVID 19 Factor:

TMC Year:

AM Peak Hour Trips: IN = OUT =

PHF:

Weekday AM Peak Hour	Project Driveway								Pluckebaum Rd							
	Northbound				Southbound				Eastbound				Westbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2023)	0	0	0	0	0	0	0	0	0	0	225	0	0	0	187	0
Seasonal Factor	1.04				1.04				1.04				1.04			
Heavy Vehicle (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Peak Hour Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing (2023)	0	0	0	0	0	0	0	0	0	0	234	0	0	0	194	0
Growth Rates	2.00%				2.00%				2.00%				2.00%			
Growth Factor	1.04				1.04				1.04				1.04			
Background (2025)	0	0	0	0	0	0	0	0	0	0	243	0	0	0	202	0
Project Assignment																
Ingress																
Egress																
Project Trips	0	0	0	0	0	70	0	19	0	6	0	0	0	0	0	23
Project Buildout	0	0	0	0	0	70	0	19	0	6	243	0	0	0	202	23

PM Peak Hour Trips: IN = OUT =

PHF:

Weekday PM Peak Hour	Project Driveway								Pluckebaum Rd							
	Northbound				Southbound				Eastbound				Westbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2023)	0	0	0	0	0	0	0	0	0	0	179	0	0	0	244	0
Seasonal Factor	1.04				1.04				1.04				1.04			
Heavy Vehicle (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Peak Hour Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing (2023)	0	0	0	0	0	0	0	0	0	0	186	0	0	0	254	0
Growth Rates	2.00%				2.00%				2.00%				2.00%			
Growth Factor	1.04				1.04				1.04				1.04			
Background (2025)	0	0	0	0	0	0	0	0	0	0	193	0	0	0	264	0
Project Assignment																
Ingress																
Egress																
Project Trips	0	0	0	0	0	43	0	12	0	20	0	0	0	0	0	68
Project Buildout	0	0	0	0	0	43	0	12	0	20	193	0	0	0	264	68

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Intersection Development Worksheet



Expect More. Experience Better.

Intersection #:	7	Existing Year:	2023
Major Street:	Clearlake Rd	Buildout Year:	2025
Minor Street:	Project Driveway	Seasonal Factor:	1.04
		Pre-COVID 19 Factor:	-

TMC Year: 2023

AM Peak Hour Trips: IN = 42 OUT = 119

PHF: 0.920

Weekday AM Peak Hour	Clearlake Rd								Project Driveway							
	Northbound				Southbound				Eastbound				Westbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2023)	0	0	127	0	0	0	191	0	0	0	0	0	0	0	0	0
Seasonal Factor	1.04				1.04				1.04				1.04			
Heavy Vehicle (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Peak Hour Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing (2023)	0	0	132	0	0	0	199	0	0	0	0	0	0	0	0	0
Growth Rates	2.00%				2.00%				2.00%				2.00%			
Growth Factor	1.04				1.04				1.04				1.04			
Background (2025)	0	0	137	0	0	0	207	0	0	0	0	0	0	0	0	0
Project Assignment																
Ingress	5%				25%											
Egress	5%								20%				5%			
Project Trips	0	2	6	0	0	0	0	11	0	23	0	6	0	0	0	0
Project Buildout	0	2	143	0	0	0	207	11	0	23	0	6	0	0	0	0

PM Peak Hour Trips: IN = 125 OUT = 73

PHF: 0.920

Weekday PM Peak Hour	Clearlake Rd								Project Driveway							
	Northbound				Southbound				Eastbound				Westbound			
	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
TMC (2023)	0	0	164	0	0	0	210	0	0	0	0	0	0	0	0	0
Seasonal Factor	1.04				1.04				1.04				1.04			
Heavy Vehicle (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Peak Hour Factor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Existing (2023)	0	0	171	0	0	0	218	0	0	0	0	0	0	0	0	0
Growth Rates	2.00%				2.00%				2.00%				2.00%			
Growth Factor	1.04				1.04				1.04				1.04			
Background (2025)	0	0	177	0	0	0	227	0	0	0	0	0	0	0	0	0
Project Assignment																
Ingress	5%				25%											
Egress	5%								20%				5%			
Project Trips	0	7	4	0	0	0	0	30	0	15	0	4	0	0	0	0
Project Buildout	0	7	181	0	0	0	227	30	0	15	0	4	0	0	0	0

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APPENDIX F

Space Coast TPO Traffic Counts

SPACE COAST TRANSPORTATION PLANNING ORGANIZATION TRAFFIC COUNTS: 2013 - 2022

ID	ROAD	FROM	TO	2013 AADT	2014 AADT	2015 AADT	2016 AADT	2017 AADT	2018 AADT	2019 AADT	2020 AADT	2021 AADT	2022 AADT	Current MAV	Last Count Taken	Functional Classification
AREA: CENTRAL																
75	ADAMSON RD. BARNES BLVD.	PINE ST. FISKE BLVD. (SR 519)	SR 524 MURRELL RD.	4,880 15,060	4,700 15,460	5,210 15,895	5,380	5,340 13,145	6,100 13,835	5,100 17,545	5,830 16,660	6,540 15,580	5,650 15,705	17,700	03/10/22-03/11/22	Urban Minor Collector
77	BARNES BLVD.	FISKE BLVD. (SR 519)	THREE MEADOWS DR. MURRELL RD.	15,060	15,460	15,940	UC	13,440	13,750	19,340	15,560	15,100	15,620	39,800	01/13/22-01/14/22	Urban Principal Arterial-Other
604	BARNES BLVD.	THREE MEADOWS DR.	MURRELL RD.			15,850	UC	12,850	13,920	15,750	17,760	16,060	15,790	39,800	01/13/22-01/14/22	Urban Principal Arterial-Other
72	BARNES BLVD. BARTON BLVD.	MURRELL RD. FISKE BLVD.	US 1 US 1	NC	9,720	9,910	8,800	9,560	10,510	10,910	10,480	9,510	14,280	17,700	03/09/22-03/10/22	Urban Principal Arterial-Other
43	BARTON BLVD.	FISKE BLVD.	MURRELL RD.										13,550	34,020	01/13/22-01/14/22	Urban Minor Arterial
71	BARTON BLVD.	MURRELL RD.	US 1										12,910	34,020	01/13/22-01/14/22	Urban Minor Arterial
49	CLEARLAKE RD. CLEARLAKE RD. (SR 501)	PLUCKEBAUM RD. SR 520	SR 520 MICHIGAN AVE.	5,400 15,747	4,800 15,933	5,050 18,307	4,590 18,030	4,750 16,990	5,910 17,407	5,160 16,327	5,190 15,767	4,770 14,877	4,150 13,243	15,600	01/24/22-01/25/22	Urban Major Collector
29	CLEARLAKE RD. (SR 501)	SR 520	LAKE DR.	11,550	11,640	14,160	13,400	12,810	14,590	12,870	11,330	12,320	11,060	39,800	03/10/22-03/11/22	Urban Minor Arterial
30	CLEARLAKE RD. (SR 501)	LAKE DR.	DIXON BLVD.	16,010	16,210	19,620	19,120	18,200	18,010	17,110	18,220	16,450	13,630	39,800	03/10/22-03/11/22	Urban Minor Arterial
31	CLEARLAKE RD. (SR 501)	DIXON BLVD.	ROSETINE ST.	NC	19,950	NC	21,570	NC	19,620	NC	17,750	NC	15,040	39,800	03/10/22-03/11/22	Urban Minor Arterial
32	CLEARLAKE RD. (SR 501)	ROSETINE ST.	MICHIGAN AVE.	19,680	NC	21,140	NC	19,960	NC	19,000	NC	15,860	NC	39,800	02/17/21-02/18/21	Urban Minor Arterial
	CLEARLAKE RD. (SR 501)	MICHIGAN AVE.	SR 524	17,233	17,727	19,817	19,927	18,193	18,640	17,783	16,933	15,860	16,480			
39	CLEARLAKE RD. (SR 501)	MICHIGAN AVE.	OTTERBEIN AVE.	18,910	18,410	21,290	21,320	19,970	20,550	19,530	18,070	17,230	17,760	39,800	01/19/22-01/20/22	Urban Minor Arterial
50	CLEARLAKE RD. (SR 501)	OTTERBEIN AVE.	N. WALMART ENTRANCE	14,120	15,520	16,960	16,090	14,810	15,770	15,210	13,840	13,580	14,530	41,790	01/19/22-01/20/22	Urban Minor Arterial
95	CLEARLAKE RD. (SR 501)	N. WALMART ENTRANCE	SR 524	18,670	19,250	21,200	22,370	19,800	19,600	18,610	18,890	16,770	17,150	41,790	01/19/22-01/20/22	Urban Minor Arterial
61	COX RD.	SR 520	SR 524	4,260	4,100	4,560	4,810	4,240	4,460	4,370	4,850	4,770	4,650	17,700	03/10/22-03/11/22	Urban Major Collector
69	COX RD. DIXON BLVD.	SR 524 CLEARLAKE RD.	JAMES RD. US 1	2,580 9,855	2,490 9,630	2,760 10,160	2,690 10,415	2,660 10,303	2,660 10,758	2,630 10,340	2,540 10,475	2,590 9,745	2,600 10,153	17,700	01/19/22-01/20/22	Urban Major Collector
47	DIXON BLVD.	CLEARLAKE RD.	PINEDA ST.	10,280	10,320	11,360	11,290	10,920	11,070	10,620	10,950	10,150	10,520	39,800	01/19/22-01/20/22	Urban Minor Arterial
51	DIXON BLVD.	PINEDA ST.	FISKE BLVD.	9,590	9,420	10,260	10,130	10,240	10,490	10,390	10,590	9,600	9,670	39,800	01/19/22-01/20/22	Urban Minor Arterial
46	DIXON BLVD.	FISKE BLVD.	BYRD PLAZA ENTRANCE	10,140	9,800	10,220	10,760	10,560	11,260	10,780	10,940	10,000	10,510	39,800	01/19/22-01/20/22	Urban Minor Arterial
45	DIXON BLVD.	BYRD PLAZA ENTRANCE	US 1	9,410	8,980	8,800	9,480	9,490	10,210	9,570	9,420	9,230	9,910	39,800	02/10/22-02/11/22	Urban Minor Arterial
	EYSTER BLVD.	FISKE BLVD.	US 1										9,120			
635	EYSTER BLVD.	FISKE BLVD.	HUNTINGTON										7,810	15,600	01/13/22-01/14/22	Urban Major Collector
636	EYSTER BLVD.	HUNTINGTON	MURRELL RD.										7,020	15,600	01/13/22-01/14/22	Urban Major Collector
637	EYSTER BLVD.	MURRELL RD.	US 1										12,530	34,020	01/13/22-01/14/22	Urban Minor Arterial
	FISKE BLVD. (SR 519)	I-95/BARNES BLVD.	BARTON BLVD.	21,360	21,805	23,125	23,310	22,190	24,190	25,015	24,170	24,965	22,890			
44	FISKE BLVD. (SR 519)	I-95/BARNES BLVD.	EYSTER BLVD.	21,880	22,160	24,690	25,080	24,190	25,820	27,300	27,750	28,010	25,660	41,790	03/09/22-03/10/22	Urban Principal Arterial-Other
96	FISKE BLVD. (SR 519)	EYSTER BLVD.	BARTON BLVD.	20,840	21,450	21,560	21,540	20,190	22,560	22,730	20,590	21,920	20,120	41,790	03/09/22-03/10/22	Urban Principal Arterial-Other
	FISKE BLVD. (SR 519)	BARTON BLVD.	SR 520	20,578	20,465	21,915	20,000	20,118	20,908	21,038	20,070	21,043	19,423			
42	FISKE BLVD. (SR 519)	BARTON BLVD.	ST. ANDREW'S DR.	23,250	24,240	24,150	24,200	22,660	24,320	24,130	22,260	22,700	20,700	41,790	03/09/22-03/10/22	Urban Principal Arterial-Other
41	FISKE BLVD. (SR 519)	ST. ANDREW'S DR.	PLUCKEBAUM RD.	23,370	22,620	25,300	23,490	23,080	23,970	23,940	23,520	24,510	22,790	41,790	01/24/22-01/25/22	Urban Principal Arterial-Other
40	FISKE BLVD. (SR 519)	PLUCKEBAUM RD.	ROSA JONES DR.	18,700	18,130	19,860	18,210	18,920	17,720	18,690	18,960	19,140	17,490	41,790	02/16/22-02/17/22	Urban Principal Arterial-Other
38	FISKE BLVD. (SR 519)	ROSA JONES DR.	SR 520	16,990	16,870	18,350	14,100	15,810	17,620	17,390	15,540	17,820	16,710	41,790	02/16/22-02/17/22	Urban Principal Arterial-Other
37	FISKE BLVD. FLORIDA AVE.	SR 520 US 1	DIXON BLVD. SR 520	7,490 7,125	7,270 6,665	8,020 7,025	8,220 6,710	7,390 6,910	7,330 6,260	7,300 5,840	6,980 5,560	7,290 5,130	6,700 5,070	15,600	03/10/22-03/11/22	Urban Minor Arterial
55	FLORIDA AVE.	US 1	ROSA JONES DR.	8,140	7,580	7,980	7,330	6,910	7,640	7,030	6,560	6,080	6,060	15,600	01/25/22-01/26/22	Urban Minor Arterial
54	FLORIDA AVE.	ROSA JONES DR.	SR 520	6,110	5,750	6,070	6,090	UC	4,880	4,650	4,560	4,180	4,080	15,600	01/19/22-01/20/22	Urban Minor Arterial
	FORREST AVE.	SR 520	US 1	11,090	9,240	8,630	7,880	8,585	8,100	11,500	10,860	10,020	10,205			
52	FORREST AVE.	SR 520	PEACHTREE ST.	12,580	10,170	9,890	8,700	8,930	NC	13,510	12,660	11,380	11,580	15,600	01/19/22-01/20/22	Urban Minor Arterial
53	FORREST AVE.	PEACHTREE ST.	US 1	9,600	8,310	7,370	7,060	8,240	8,100	9,490	9,060	8,660	8,830	15,600	03/10/22-03/11/22	Urban Minor Arterial
67	FRIDAY RD.	SR 520	SR 524	1,150	1,220	1,530	1,390	1,500	1,470	1,780	1,790	1,970	1,840	15,600	03/09/22-03/10/22	Urban Major Collector
64	FRIDAY RD.	SR 524	JAMES RD.	3,020	NC	3,290	NC	3,210	NC	2,960	NC	3,150	NC	17,700	01/19/21-01/20/21	Urban Local
593	JUDGE F JAMIESON WY. JUDGE F JAMIESON WY.	TAVISTOCK DR. STADIUM PKWY.	STADIUM PKWY. LAKE ANDREW DR.	4,400 14,760	4,480 15,795	4,480 15,785	4,650 16,295	5,040 16,400	4,960 16,400	4,860 16,140	4,650 16,570	4,000 12,495	4,070 10,925	17,700	01/11/22-01/12/22	Urban Local
80	JUDGE F JAMIESON WY.	STADIUM PKWY.	GOV'T CENTER/SCH. BOARD ENTRANCE	14,310	14,780	15,380	15,970	16,190	16,250	16,210	16,350	11,490	10,090	39,800	01/11/22-01/12/22	Urban Minor Arterial
78	JUDGE F JAMIESON WY.	GOV'T CENTER/SCH. BOARD ENTRANCE	LAKE ANDREW DR.	15,210	16,810	16,190	16,620	16,610	16,550	16,070	16,790	13,500	11,760	39,800	01/11/22-01/12/22	Urban Minor Arterial
	LAKE DR.	COX RD.	SR 520	3,190	3,133	3,767	4,033	3,870	4,510	3,880	3,927	3,793	3,677			
85	LAKE DR.	COX RD.	RANGE RD.	2,120	2,150	2,630	2,790	2,890	NC	3,510	3,360	3,300	3,300	17,700	01/31/22-02/01/22	Urban Major Collector
62	LAKE DR.	RANGE RD.	CLEARLAKE RD. (SR 501)	3,470	3,260	3,860	3,750	4,040	NC	4,110	4,110	4,100	3,640	15,600	01/31/22-02/01/22	Urban Major Collector
68	LAKE DR.	CLEARLAKE RD. (SR 501)	SR 520	3,980	3,990	4,810	5,560	4,680	4,510	4,020	4,310	3,980	4,090	15,600	01/31/22-02/01/22	Urban Major Collector
	LAKE ANDREW DR.	WICKHAM RD.	VIERA BLVD.	16,555	17,085	17,900	17,350	17,130	19,090	17,280	17,390	16,625	15,845			
81	LAKE ANDREW DR.	WICKHAM RD.	THE AVENUES ENTRANCE	18,320	18,810	19,940	18,480	18,990	18,980	19,340	19,460	18,590	19,020	39,800	03/09/22-03/10/22	Urban Minor Arterial
82	LAKE ANDREW DR.	THE AVENUES ENTRANCE	JUDGE F JAMIESON WY.	14,790	15,360	15,860	16,220	15,270	19,200	15,220	15,320	14,660	15,930	39,800	01/11/22-01/12/22	Urban Minor Arterial
640	LAKE ANDREW DR.	JUDGE F JAMIESON WY.	PORADA DR.										11,100	39,800	01/11/22-01/12/22	-
641	LAKE ANDREW DR.	PORADA DR.	VIERA BLVD.										17,330	39,800	01/11/22-01/12/22	-
86	MICHIGAN AVE.	RANGE RD.	CLEARLAKE RD.	NC	3,930	NC	4,180	NC	4,450	NC	4,120	NC	3,820	15,600	01/19/22-01/20/22	Urban Major Collector
48	MICHIGAN AVE. MURRELL RD.	CLEARLAKE RD. WICKHAM RD.	US 1 BARNES BLVD.	12,070 16,630	10,280 16,070	8,420 17,400	9,940 16,978	10,820 16,493	11,090 17,170	11,500 17,998	11,420 16,428	10,060 15,478	10,320 15,563	39,800	01/31/22-02/01/22	Urban Minor Arterial
528	MURRELL RD.	WICKHAM RD.	SPYGLASS HILL DR.	17,800	17,120	18,160	17,710	16,870	17,330	19,070	15,830	14,190	14,290	33,800	01/11/22-01/12/22	Urban Minor Arterial
529	MURRELL RD.	SPYGLASS HILL DR.	VIERA BLVD.	16,840	16,230	16,810	17,230	16,910	17,230	18,040	15,370	16,050	14,170	39,800	01/11/22-01/12/22	Urban Minor Arterial
529	MURRELL RD.	VIERA BLVD.	CLUB HOUSE DR.	16,830	16,310	18,310	17,430	16,510	17,980	18,060	18,690	16,590	17,400	39,800	01/11/22-01/12/22	Urban Minor Arterial
57	MURRELL RD.	CLUB HOUSE DR.	BARNES BLVD.	15,050	14,620	16,320	15,540	15,680	16,140	16,820	15,820	15,080	16,390	39,800	01/11/22-01/12/22	Urban Minor Arterial

*Note: 2016 AADT's Beaches area were counted twice in 2016 and the AADT listed is the average of the two counts.
NC=Not Counted; UC=Under Construction

SPACE COAST TRANSPORTATION PLANNING ORGANIZATION TRAFFIC COUNTS: 2013 - 2022

ID	ROAD	FROM	TO	2013 AADT	2014 AADT	2015 AADT	2016 AADT	2017 AADT	2018 AADT	2019 AADT	2020 AADT	2021 AADT	2022 AADT	Current MAV	Last Count Taken	Functional Classification
AREA: CENTRAL																
	MURRELL RD.	BARNES BLVD.	BARTON BLVD.										11,615			
60		MURRELL RD.	BARNES BLVD.										18,630	41,790	01/13/22-01/14/22	Urban Minor Arterial
56		MURRELL RD.	EYSTER BLVD.										4,600	34,020	01/11/22-01/12/22	Urban Major Collector
592	PEACHTREE ST.	LAKE DR.	FISKE BLVD.	3,010	2,910	NC	NC	NC	3,380	4,330	NC	4,460	4,470	15,600	03/01/22-03/02/22	Urban Major Collector
	PINEHURST AVE./HOLIDAY SPRINGS RD.	WICKHAM RD.	HOLIDAY SPRINGS RD.	4,543	4,458	4,808	4,928	5,088	5,260	5,265	5,718	4,925	4,880			
17		PINEHURST AVE.	WICKHAM RD.	6,490	6,270	6,810	7,100	7,320	7,340	7,480	7,250	6,850	6,640	15,600	01/11/22-01/12/22	Urban Minor Collector
530		PINEHURST AVE.	SPYGLASS HILL DR.	5,140	5,040	5,340	5,350	5,430	5,810	5,550	6,170	5,130	5,010	15,600	01/11/22-01/12/22	Urban Minor Collector
16		PINEHURST AVE.	FARGO DR.	3,000	2,950	3,190	3,340	3,380	3,590	3,750	4,460	3,650	3,740	15,600	01/11/22-01/12/22	Urban Minor Collector
94		HOLIDAY SPRINGS RD.	PINEHURST AVE.	3,540	3,570	3,890	3,920	4,220	4,300	4,280	4,990	4,270	4,130	15,600	01/11/22-01/12/22	Urban Minor Collector
568	PLUCKEBAUM RD.	CLEARLAKE RD.	FISKE BLVD. (SR 519)	5,970	6,240	7,030	6,490	6,560	7,570	7,270	6,820	6,530	5,900	15,600	01/31/22-02/01/22	Urban Major Collector
	RANGE RD.	SR 520	ROSETINE ST.	4,330	5,140	4,760	5,860	4,740	5,970	4,360	5,990	4,470	5,970			
531		RANGE RD.	LAKE DR.	4,330	NC	4,760	NC	4,740	NC	4,360	NC	4,470	NC	15,600	01/19/21-01/20/21	Urban Major Collector
532		RANGE RD.	LAKE DR.	NC	5,140	NC	5,860	NC	5,970	NC	5,990	NC	5,970	15,600	01/19/22-01/20/22	Urban Major Collector
74	ROSETINE ST.	RANGE RD.	CLEARLAKE RD.	NC	2,730	NC	NC	NC	2,920	NC	3,140	2,760	2,920	15,600	01/19/22-01/20/22	Urban Minor Collector
18	SPYGLASS HILL RD.	MURRELL RD.	PINEHURST AVE.	3,880	3,780	3,960	4,240	4,720	4,640	4,780	4,410	3,940	4,220	15,600	01/11/22-01/12/22	Urban Minor Collector
	SR 520	ORANGE CO	I-95	15,090	15,167	17,220	16,670	16,637	16,567	17,160	17,767	17,273	16,097			
534		SR 520	ORANGE CO	13,140	12,760	15,950	15,170	15,750	12,240	16,010	18,680	15,530	14,590	40,300	03/10/22-03/11/22	Rural Principal Arterial Other
1		SR 520	SR 524	14,050	13,990	15,720	14,880	14,320	16,610	14,650	14,700	15,100	12,460	41,790	02/03/22-02/04/22	Urban Principal Arterial-Other
84		SR 520	FRIDAY RD.	18,080	18,750	19,990	19,960	19,840	20,850	20,820	19,920	21,190	21,240	41,790	03/09/22-03/10/22	Urban Principal Arterial-Other
	SR 520	I-95	CLEARLAKE RD. (SR 501)	20,367	20,583	23,857	22,600	21,240	20,573	23,173	21,193	22,727	21,840			
2		SR 520	BURNETT RD.	20,200	21,440	24,190	22,190	21,780	21,740	21,650	24,200	23,230	21,640	41,790	02/03/22-02/04/22	Urban Principal Arterial-Other
3		SR 520	BURNETT RD.	19,980	19,680	24,180	22,970	21,040	20,040	21,880	19,840	22,550	21,530	41,790	02/03/22-02/04/22	Urban Principal Arterial-Other
14		SR 520	RANGE RD.	20,920	20,630	23,200	22,640	20,900	19,940	26,590	19,540	22,400	22,350	41,790	02/03/22-02/04/22	Urban Principal Arterial-Other
	SR 520	CLEARLAKE RD. (SR 501)	FISKE BLVD. (SR 519)	20,815	21,385	24,880	24,575	22,915	22,735	22,115	21,730	23,145	21,260			
4		SR 520	CLEARLAKE RD. (SR 501)	19,160	19,560	22,860	22,870	20,200	20,800	20,400	21,720	21,550	19,310	39,800	02/03/22-02/04/22	Urban Principal Arterial-Other
5		SR 520	LAKE DR.	22,470	23,210	26,900	26,280	25,630	24,670	23,830	21,740	24,740	23,210	39,800	02/03/22-02/04/22	Urban Principal Arterial-Other
	SR 520	FISKE BLVD. (SR 519)	US 1	23,775	25,160	28,120	28,250	26,600	25,495	25,275	23,310	26,600	24,575			
6		SR 520	FISKE BLVD. (SR 519)	23,820	25,090	28,270	28,430	26,540	25,550	25,280	NC	26,680	25,010	41,790	02/03/22-02/04/22	Urban Principal Arterial-Other
7		SR 520	BLAKE AVE.	23,730	25,230	27,970	28,070	26,660	25,440	25,270	23,310	26,520	24,140	41,790	02/03/22-02/04/22	Urban Principal Arterial-Other
	SR 520 (EB)	US 1	RIVEREDGE BLVD.	19,838	19,020	21,483	18,600	20,718	20,855	21,135	19,265	22,220	19,625			
8		SR 520 (EB)	US 1	15,570	17,090	18,210	13,820	16,750	17,250	16,830	15,460	NC	16,470	19,440	03/09/22-03/10/22	Urban Principal Arterial-Other
9		SR 520 (EB)	FORREST AVE.	21,020	19,560	21,850	19,620	22,460	20,930	22,250	20,930	21,800	20,140	19,440	02/03/22-02/04/22	Urban Principal Arterial-Other
10		SR 520 (EB)	BREVARD AVE.	20,900	19,450	22,930	22,010	21,670	22,280	22,500	19,990	NC	21,080	19,440	03/09/22-03/10/22	Urban Principal Arterial-Other
11		SR 520 (EB)	DELANNOY AVE.	21,860	19,980	22,940	18,950	21,990	22,960	22,960	20,680	22,640	20,810	19,440	02/03/22-02/04/22	Urban Principal Arterial-Other
	SR 520 (WB)	CAUSEWAY	US 1	20,770	20,643	21,703	20,098	21,220	20,920	21,915	19,093	17,797	21,705			
12		SR 520 (WB)	CAUSEWAY	22,160	21,250	23,700	23,050	21,130	22,990	22,780	20,340	22,850	20,800	19,440	02/03/22-02/04/22	Urban Principal Arterial-Other
13		SR 520 (WB)	DELANNOY AVE.	23,970	23,100	23,460	21,900	24,290	22,980	24,250	21,420	NC	22,610	19,440	03/09/22-03/10/22	Urban Principal Arterial-Other
15		SR 520 (WB)	BREVARD AVE.	21,220	21,560	22,400	18,690	21,810	20,660	21,610	19,840	22,080	NC	19,440	01/19/21-01/20/21	Urban Principal Arterial-Other
87		SR 520 (WB)	FORREST AVE.	15,730	16,660	17,250	16,750	17,650	17,050	19,020	14,770	NC	NC	19,440	01/29/20-01/30/20	Urban Principal Arterial-Other
66	SR 524	SR 520	I-95	4,670	4,530	5,690	5,300	5,890	7,200	6,870	6,600	8,460	6,280	24,200	03/10/22-03/11/22	Urban Minor Arterial
	SR 524	I-95	INDUSTRY RD.	11,220	10,880	12,765	12,605	11,710	13,860	12,540	11,775	13,965	13,625			
73		SR 524	I-95	9,780	9,670	11,440	11,170	10,460	12,690	11,700	11,020	13,300	12,870	18,590	02/02/22-02/03/22	Urban Minor Arterial
76		SR 524	COX RD.	12,660	12,090	14,090	14,040	12,960	15,030	13,380	12,530	14,630	14,380	19,470	01/24/22-01/25/22	Urban Minor Arterial
	SR 528	ORANGE CO	I-95	27,835	28,320	34,205	31,740	33,780	40,640	37,805	43,810	33,090	27,865			
91		SR 528	ORANGE CO	30,820	30,220	37,830	35,120	37,330	40,640	42,560	49,690	36,880	31,390	43,000	02/02/22-02/03/22	Rural Principal Arterial - Freeways & Expressways
90		SR 528	SR 407	24,850	26,420	30,580	28,360	30,230	NC	33,050	37,930	29,300	24,340	43,000	02/17/22-02/18/22	Rural Principal Arterial - Freeways & Expressways
	SR 528	I-95	US 1	25,860	25,315	30,165	27,775	28,340	31,000	32,730	37,960	28,765	27,060			
93		SR 528	I-95	21,000	23,050	23,030	22,810	23,290	29,350	28,880	33,780	24,750	22,810	74,400	02/02/22-02/03/22	Urban Principal Arterial - Freeways & Expressways
92		SR 528	INDUSTRY RD.	30,720	27,580	37,300	32,740	33,390	32,650	36,580	42,140	32,780	31,310	74,400	01/27/22-01/28/22	Urban Principal Arterial - Freeways & Expressways
25	STADIUM PKWY.	WICKHAM RD.	JUDGE F JAMIESON WY.	6,550	6,890	7,810	8,480	9,150	10,460	11,240	10,620	10,380	11,180	17,700	01/11/22-01/12/22	Urban Minor Arterial
	STADIUM PKWY.	JUDGE F JAMIESON WY.	I-95/FISKE BLVD.	16,515	16,965	17,707	18,173	19,337	20,273	20,780	18,447	15,570	14,613			
26		STADIUM PKWY.	JUDGE F JAMIESON WY.	18,270	18,910	19,950	20,890	22,170	22,920	23,650	24,190	18,970	16,590	39,800	01/11/22-01/12/22	Urban Minor Arterial
535		STADIUM PKWY.	VIERA BLVD.	14,760	15,020	15,980	16,120	17,160	17,870	18,460	15,370	13,700	13,780	39,800	01/11/22-01/12/22	Urban Minor Arterial
606		STADIUM PKWY.	ROSEMOUNT DR.													
			I-95/FISKE BLVD.	17,190	17,510	18,680	20,030	20,230	15,780	14,020	13,470	39,800				
607	TAVISTOCK DR.	JUDGE F JAMIESON WY.	VIERA BLVD.			3,300	3,680	3,720	3,780	3,620	3,310	2,990	3,070	15,600	01/11/22-01/12/22	Urban Local
608	TAVISTOCK DR.	VIERA BLVD.	STADIUM PKWY.			2,890	2,680	2,650	3,160	2,290	2,250	2,180	2,130	15,600	01/11/22-01/12/22	Urban Local
	US 1	PINEDA CSWY. (SR 404)	BARNES BLVD.	29,530	31,853	32,577	32,687	30,737	32,013	31,497	32,037	29,953	28,490			
89		US 1	PINEDA CSWY. (SR 404)	33,100	37,580	37,310	38,750	34,340	38,730	37,540	38,150	35,090	31,640	41,790	03/09/22-03/10/22	Urban Principal Arterial-Other
567		US 1	SUNTREE BLVD.	28,770	31,550	32,650	31,520	30,670	31,070	29,740	31,800	28,090	25,340	41,790	03/09/22-03/10/22	Urban Principal Arterial-Other
36		US 1	VIERA BLVD.	26,720	26,430	27,770	27,790	27,200	26,240	27,210	26,160	26,680	NC	41,790	01/12/21-01/13/21	Urban Principal Arterial-Other
70	US 1	BARNES BLVD.	EYSTER BLVD.	26,150	25,690	25,980	26,300	25,060	26,090	26,340	25,880	26,480	30,560	41,790	01/27/22-01/28/22	Urban Principal Arterial-Other
	US 1	EYSTER BLVD.	ROSA JONES DR.	34,977	35,303	36,267	35,167	34,170	37,277	35,953	35,180	36,280	35,815			
34		US 1	EYSTER BLVD.	33,220	32,820	34,440	33,650	32,520	31,160	34,410	32,080	33,300	NC	62,900	01/19/21-01/20/21	Urban Principal Arterial-Other
33		US 1	BARTON BLVD.	38,070	40,180	40,480	39,840	38,660	42,630	38,100	38,490	39,550	37,430	62,900	01/27/22-01/28/22	Urban Principal Arterial-Other
88		US 1	FLORIDA AVE.	33,640	32,910	33,880	32,010	33,130	38,040	35,350	34,970	35,990	34,200	62,900	01/27/22-01/28/22	Urban Principal Arterial-Other

*Note: 2016 AADT's Beaches area were counted twice in 2016 and the AADT listed is the average of the two counts.
NC=Not Counted; UC=Under Construction

APPENDIX G

Synchro Outputs

HCM 6th TWSC
1: Pluckebaum Road & Range Road

Existing
AM Peak Hour

Intersection						
Int Delay, s/veh	2.9					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	3	107	78	86	95	4
Future Vol, veh/h	3	107	78	86	95	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	33	6	5	6	10	50
Mvmt Flow	3	113	82	91	100	4
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	173	0	-	0	247	128
Stage 1	-	-	-	-	128	-
Stage 2	-	-	-	-	119	-
Critical Hdwy	4.43	-	-	-	6.5	6.7
Critical Hdwy Stg 1	-	-	-	-	5.5	-
Critical Hdwy Stg 2	-	-	-	-	5.5	-
Follow-up Hdwy	2.497	-	-	-	3.59	3.75
Pot Cap-1 Maneuver	1237	-	-	-	724	808
Stage 1	-	-	-	-	878	-
Stage 2	-	-	-	-	887	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1237	-	-	-	722	808
Mov Cap-2 Maneuver	-	-	-	-	722	-
Stage 1	-	-	-	-	875	-
Stage 2	-	-	-	-	887	-
Approach	EB	WB		SB		
HCM Control Delay, s	0.2	0		10.8		
HCM LOS				B		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1237	-	-	-	725	
HCM Lane V/C Ratio	0.003	-	-	-	0.144	
HCM Control Delay (s)	7.9	0	-	-	10.8	
HCM Lane LOS	A	A	-	-	B	
HCM 95th %tile Q(veh)	0	-	-	-	0.5	

HCM 6th TWSC
2: Pluckebaum Road & Clearlake Road

Existing
AM Peak Hour

Intersection						
Int Delay, s/veh	4.4					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	25	209	172	107	176	23
Future Vol, veh/h	25	209	172	107	176	23
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	195	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	97	97	97	97	97	97
Heavy Vehicles, %	21	2	4	4	5	5
Mvmt Flow	26	215	177	110	181	24
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	287	0	-	0	444	177
Stage 1	-	-	-	-	177	-
Stage 2	-	-	-	-	267	-
Critical Hdwy	4.31	-	-	-	6.45	6.25
Critical Hdwy Stg 1	-	-	-	-	5.45	-
Critical Hdwy Stg 2	-	-	-	-	5.45	-
Follow-up Hdwy	2.389	-	-	-	3.545	3.345
Pot Cap-1 Maneuver	1174	-	-	-	566	858
Stage 1	-	-	-	-	846	-
Stage 2	-	-	-	-	771	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1174	-	-	-	552	858
Mov Cap-2 Maneuver	-	-	-	-	552	-
Stage 1	-	-	-	-	825	-
Stage 2	-	-	-	-	771	-
Approach	EB	WB		SB		
HCM Control Delay, s	0.9	0		14.7		
HCM LOS	B					
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1174	-	-	-	576	
HCM Lane V/C Ratio	0.022	-	-	-	0.356	
HCM Control Delay (s)	8.1	0	-	-	14.7	
HCM Lane LOS	A	A	-	-	B	
HCM 95th %tile Q(veh)	0.1	-	-	-	1.6	

Timings 3: Fiske Boulevard & Pluckebaum Road

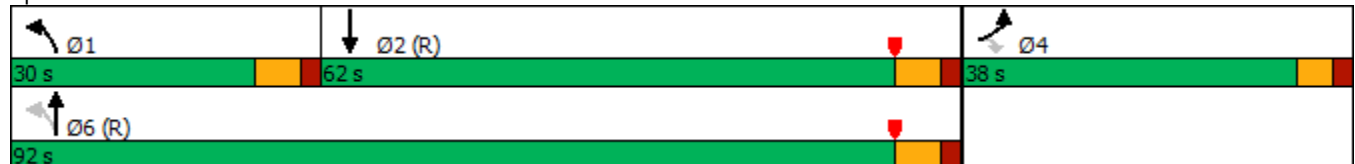
Existing
AM Peak Hour

					
Lane Group	EBL	EBR	NBL	NBT	SBT
Lane Configurations					
Traffic Volume (vph)	64	341	242	839	757
Future Volume (vph)	64	341	242	839	757
Turn Type	Prot	Perm	pm+pt	NA	NA
Protected Phases	4		1	6	2
Permitted Phases		4	6		
Detector Phase	4	4	1	6	2
Switch Phase					
Minimum Initial (s)	6.0	6.0	6.0	15.0	15.0
Minimum Split (s)	23.6	23.6	12.4	24.4	24.4
Total Split (s)	38.0	38.0	30.0	92.0	62.0
Total Split (%)	29.2%	29.2%	23.1%	70.8%	47.7%
Yellow Time (s)	3.4	3.4	4.4	4.4	4.4
All-Red Time (s)	2.2	2.2	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.6	5.6	6.4	6.4	6.4
Lead/Lag			Lead		Lag
Lead-Lag Optimize?			Yes		Yes
Recall Mode	None	None	None	C-Max	C-Max

Intersection Summary

Cycle Length: 130
Actuated Cycle Length: 130
Offset: 34 (26%), Referenced to phase 2:SBT and 6:NBT, Start of Yellow
Natural Cycle: 65
Control Type: Actuated-Coordinated

Splits and Phases: 3: Fiske Boulevard & Pluckebaum Road



HCM 6th Signalized Intersection Summary

3: Fiske Boulevard & Pluckebaum Road

Existing
AM Peak Hour



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	64	341	242	839	757	29
Future Volume (veh/h)	64	341	242	839	757	29
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1841	1856	1870	1826	1693
Adj Flow Rate, veh/h	67	355	252	874	789	30
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	4	3	2	5	14
Cap, veh/h	429	376	461	2370	1829	70
Arrive On Green	0.24	0.24	0.08	0.67	0.54	0.54
Sat Flow, veh/h	1781	1560	1767	3647	3499	130
Grp Volume(v), veh/h	67	355	252	874	402	417
Grp Sat Flow(s),veh/h/ln	1781	1560	1767	1777	1735	1803
Q Serve(g_s), s	3.9	29.1	7.9	14.1	18.1	18.1
Cycle Q Clear(g_c), s	3.9	29.1	7.9	14.1	18.1	18.1
Prop In Lane	1.00	1.00	1.00			0.07
Lane Grp Cap(c), veh/h	429	376	461	2370	931	968
V/C Ratio(X)	0.16	0.95	0.55	0.37	0.43	0.43
Avail Cap(c_a), veh/h	444	389	639	2370	931	968
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	38.9	48.5	12.7	9.6	18.1	18.1
Incr Delay (d2), s/veh	0.2	31.4	1.0	0.4	1.5	1.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.7	14.3	3.0	5.2	7.4	7.7
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	39.1	79.9	13.7	10.0	19.6	19.6
LnGrp LOS	D	E	B	B	B	B
Approach Vol, veh/h	422			1126	819	
Approach Delay, s/veh	73.4			10.8	19.6	
Approach LOS	E			B	B	
Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	16.9	76.2		36.9		93.1
Change Period (Y+Rc), s	6.4	6.4		* 5.6		6.4
Max Green Setting (Gmax), s	23.6	55.6		* 32		85.6
Max Q Clear Time (g_c+l1), s	9.9	20.1		31.1		16.1
Green Ext Time (p_c), s	0.6	5.4		0.2		7.1
Intersection Summary						
HCM 6th Ctrl Delay			25.0			
HCM 6th LOS			C			
Notes						

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Timings 4: Clearlake Road & SR 520

Existing
AM Peak Hour

											
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Configurations											
Traffic Volume (vph)	163	657	57	29	414	70	47	116	145	130	177
Future Volume (vph)	163	657	57	29	414	70	47	116	145	130	177
Turn Type	pm+pt	NA	Perm	pm+pt	NA	Perm	pm+pt	NA	pm+pt	NA	Perm
Protected Phases	5	2		1	6		3	8	7	4	
Permitted Phases	2		2	6		6	8		4		4
Detector Phase	5	2	2	1	6	6	3	8	7	4	4
Switch Phase											
Minimum Initial (s)	6.0	15.0	15.0	6.0	15.0	15.0	6.0	8.0	6.0	8.0	8.0
Minimum Split (s)	13.1	25.1	25.1	13.1	25.1	25.1	13.3	25.3	13.3	25.3	25.3
Total Split (s)	29.0	68.0	68.0	17.0	56.0	56.0	17.0	32.0	33.0	48.0	48.0
Total Split (%)	19.3%	45.3%	45.3%	11.3%	37.3%	37.3%	11.3%	21.3%	22.0%	32.0%	32.0%
Yellow Time (s)	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
All-Red Time (s)	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.4	2.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	7.1	7.1	7.1	7.1	7.1	7.1	7.3	7.3	7.3	7.3	7.3
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	C-Max	C-Max	None	C-Max	C-Max	None	None	None	None	None

Intersection Summary

Cycle Length: 150

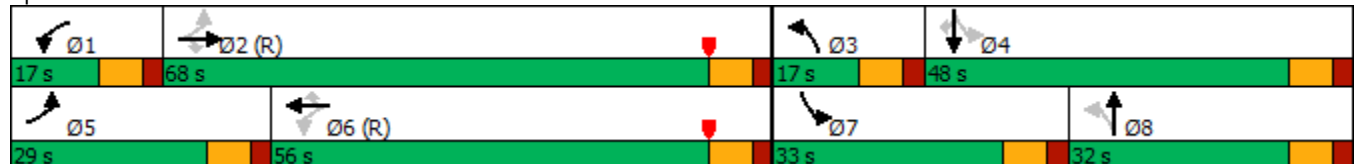
Actuated Cycle Length: 150

Offset: 114 (76%), Referenced to phase 2:EBTL and 6:WBTL, Start of Yellow

Natural Cycle: 80

Control Type: Actuated-Coordinated

Splits and Phases: 4: Clearlake Road & SR 520



HCM 6th Signalized Intersection Summary

4: Clearlake Road & SR 520

Existing
AM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	163	657	57	29	414	70	47	116	24	145	130	177
Future Volume (veh/h)	163	657	57	29	414	70	47	116	24	145	130	177
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	0.97	1.00	1.00	0.99	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1796	1826	1826	1767	1781	1856	1796	1826	1841	1781	1826	1811
Adj Flow Rate, veh/h	172	692	60	31	436	74	49	122	25	153	137	186
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	7	5	5	9	8	3	7	5	4	8	5	6
Cap, veh/h	568	2036	883	422	1887	866	198	144	30	227	287	241
Arrive On Green	0.06	0.59	0.59	0.03	0.56	0.56	0.03	0.10	0.10	0.09	0.16	0.16
Sat Flow, veh/h	1711	3469	1504	1682	3385	1554	1711	1470	301	1697	1826	1535
Grp Volume(v), veh/h	172	692	60	31	436	74	49	0	147	153	137	186
Grp Sat Flow(s),veh/h/ln	1711	1735	1504	1682	1692	1554	1711	0	1772	1697	1826	1535
Q Serve(g_s), s	6.4	15.4	2.6	1.2	9.8	3.3	3.8	0.0	12.2	11.8	10.3	17.4
Cycle Q Clear(g_c), s	6.4	15.4	2.6	1.2	9.8	3.3	3.8	0.0	12.2	11.8	10.3	17.4
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.17	1.00		1.00
Lane Grp Cap(c), veh/h	568	2036	883	422	1887	866	198	0	174	227	287	241
V/C Ratio(X)	0.30	0.34	0.07	0.07	0.23	0.09	0.25	0.00	0.84	0.67	0.48	0.77
Avail Cap(c_a), veh/h	718	2036	883	484	1887	866	249	0	292	358	495	416
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	12.7	16.0	13.3	13.5	16.9	15.4	58.0	0.0	66.5	52.8	57.6	60.6
Incr Delay (d2), s/veh	0.3	0.5	0.1	0.1	0.3	0.2	0.6	0.0	10.8	3.5	1.2	5.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.3	5.8	0.9	0.4	3.7	1.3	1.7	0.0	6.1	5.3	4.9	7.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	13.0	16.4	13.5	13.6	17.2	15.6	58.7	0.0	77.3	56.3	58.8	65.7
LnGrp LOS	B	B	B	B	B	B	E	A	E	E	E	E
Approach Vol, veh/h	924		541			196			476			
Approach Delay, s/veh	15.6		16.7			72.7			60.7			
Approach LOS	B		B			E			E			
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	11.5	95.1	12.5	30.9	15.9	90.7	21.4	22.0				
Change Period (Y+Rc), s	* 7.1	* 7.1	7.3	7.3	* 7.1	* 7.1	7.3	7.3				
Max Green Setting (Gmax), s	* 9.9	* 61	9.7	40.7	* 22	* 49	25.7	24.7				
Max Q Clear Time (g_c+l1), s	3.2	17.4	5.8	19.4	8.4	11.8	13.8	14.2				
Green Ext Time (p_c), s	0.0	4.7	0.0	1.3	0.3	2.8	0.3	0.5				
Intersection Summary												
HCM 6th Ctrl Delay			31.2									
HCM 6th LOS			C									
Notes												

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Timings 5: Range Road & SR 520

Existing
AM Peak Hour

									
Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	SBL	SBT
Lane Configurations									
Traffic Volume (vph)	116	800	24	525	38	61	32	85	50
Future Volume (vph)	116	800	24	525	38	61	32	85	50
Turn Type	pm+pt	NA	pm+pt	NA	Perm	Perm	NA	Perm	NA
Protected Phases	1	6	5	2			4		8
Permitted Phases	6		2		2	4		8	
Detector Phase	1	6	5	2	2	4	4	8	8
Switch Phase									
Minimum Initial (s)	6.0	12.0	6.0	12.0	12.0	6.0	6.0	6.0	6.0
Minimum Split (s)	13.5	25.5	13.5	25.5	25.5	12.5	12.5	24.5	24.5
Total Split (s)	25.0	45.0	25.0	45.0	45.0	30.0	30.0	30.0	30.0
Total Split (%)	25.0%	45.0%	25.0%	45.0%	45.0%	30.0%	30.0%	30.0%	30.0%
Yellow Time (s)	5.5	5.5	5.5	5.5	5.5	4.0	4.0	4.0	4.0
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	7.5	7.5	7.5	7.5	7.5		6.5		6.5
Lead/Lag	Lead	Lag	Lead	Lag	Lag				
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes				
Recall Mode	None	Max	None	Max	Max	None	None	None	None

Intersection Summary

Cycle Length: 100

Actuated Cycle Length: 82.9

Natural Cycle: 65

Control Type: Actuated-Uncoordinated

Splits and Phases: 5: Range Road & SR 520

 Ø1	 Ø2	 Ø4
25 s	45 s	30 s
 Ø5	 Ø6	 Ø8
25 s	45 s	30 s

HCM 6th Signalized Intersection Summary 5: Range Road & SR 520

Existing
AM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	116	800	64	24	525	38	61	32	19	85	50	42
Future Volume (veh/h)	116	800	64	24	525	38	61	32	19	85	50	42
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1826	1826	1811	1900	1885	1826	1722	1811	1411	1707	1841	1826
Adj Flow Rate, veh/h	122	842	67	25	553	40	64	34	20	89	53	44
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	5	5	6	0	1	5	12	6	33	13	4	5
Cap, veh/h	549	1752	139	389	1781	769	170	83	37	171	78	55
Arrive On Green	0.07	0.54	0.54	0.03	0.50	0.50	0.14	0.14	0.14	0.14	0.14	0.14
Sat Flow, veh/h	1739	3255	259	1810	3582	1547	667	577	254	695	544	384
Grp Volume(v), veh/h	122	449	460	25	553	40	118	0	0	186	0	0
Grp Sat Flow(s),veh/h/ln	1739	1735	1779	1810	1791	1547	1498	0	0	1622	0	0
Q Serve(g_s), s	2.4	12.2	12.2	0.5	6.9	1.0	0.0	0.0	0.0	2.8	0.0	0.0
Cycle Q Clear(g_c), s	2.4	12.2	12.2	0.5	6.9	1.0	5.3	0.0	0.0	8.1	0.0	0.0
Prop In Lane	1.00		0.15	1.00		1.00	0.54		0.17	0.48		0.24
Lane Grp Cap(c), veh/h	549	934	958	389	1781	769	290	0	0	305	0	0
V/C Ratio(X)	0.22	0.48	0.48	0.06	0.31	0.05	0.41	0.00	0.00	0.61	0.00	0.00
Avail Cap(c_a), veh/h	825	934	958	750	1781	769	529	0	0	556	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	7.8	10.8	10.8	9.0	11.3	9.8	29.8	0.0	0.0	31.0	0.0	0.0
Incr Delay (d2), s/veh	0.2	1.8	1.7	0.1	0.5	0.1	0.9	0.0	0.0	2.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	3.9	4.0	0.2	2.2	0.3	2.0	0.0	0.0	3.3	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	8.1	12.6	12.6	9.1	11.7	9.9	30.7	0.0	0.0	32.9	0.0	0.0
LnGrp LOS	A	B	B	A	B	A	C	A	A	C	A	A
Approach Vol, veh/h	1031			618			118			186		
Approach Delay, s/veh	12.1			11.5			30.7			32.9		
Approach LOS	B			B			C			C		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	13.0	45.0		17.4	9.9	48.1		17.4				
Change Period (Y+Rc), s	7.5	7.5		6.5	7.5	7.5		6.5				
Max Green Setting (Gmax), s	17.5	37.5		23.5	17.5	37.5		23.5				
Max Q Clear Time (g_c+l1), s	4.4	8.9		7.3	2.5	14.2		10.1				
Green Ext Time (p_c), s	0.2	3.4		0.5	0.0	5.1		0.8				
Intersection Summary												
HCM 6th Ctrl Delay	15.0											
HCM 6th LOS	B											

HCM 6th TWSC
1: Pluckebaum Road & Range Road

Background
PM Peak Hour

Intersection						
Int Delay, s/veh	2.4					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	4	97	115	81	68	14
Future Vol, veh/h	4	97	115	81	68	14
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	91	91	91	91	91	91
Heavy Vehicles, %	0	2	1	4	6	8
Mvmt Flow	4	107	126	89	75	15
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	215	0	-	0	286	171
Stage 1	-	-	-	-	171	-
Stage 2	-	-	-	-	115	-
Critical Hdwy	4.1	-	-	-	6.46	6.28
Critical Hdwy Stg 1	-	-	-	-	5.46	-
Critical Hdwy Stg 2	-	-	-	-	5.46	-
Follow-up Hdwy	2.2	-	-	-	3.554	3.372
Pot Cap-1 Maneuver	1367	-	-	-	696	857
Stage 1	-	-	-	-	849	-
Stage 2	-	-	-	-	900	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1367	-	-	-	694	857
Mov Cap-2 Maneuver	-	-	-	-	694	-
Stage 1	-	-	-	-	846	-
Stage 2	-	-	-	-	900	-
Approach	EB	WB		SB		
HCM Control Delay, s	0.3	0		10.7		
HCM LOS				B		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1367	-	-	-	717	
HCM Lane V/C Ratio	0.003	-	-	-	0.126	
HCM Control Delay (s)	7.6	0	-	-	10.7	
HCM Lane LOS	A	A	-	-	B	
HCM 95th %tile Q(veh)	0	-	-	-	0.4	

HCM 6th TWSC

2: Pluckebaum Road & Clearlake Road

Background
PM Peak Hour

Intersection						
Int Delay, s/veh	4.5					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	23	163	228	148	192	26
Future Vol, veh/h	23	163	228	148	192	26
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	195	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	0	2	2	0	2	0
Mvmt Flow	24	170	238	154	200	27
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	392	0	-	0	456	238
Stage 1	-	-	-	-	238	-
Stage 2	-	-	-	-	218	-
Critical Hdwy	4.1	-	-	-	6.42	6.2
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.2	-	-	-	3.518	3.3
Pot Cap-1 Maneuver	1178	-	-	-	562	806
Stage 1	-	-	-	-	802	-
Stage 2	-	-	-	-	818	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1178	-	-	-	550	806
Mov Cap-2 Maneuver	-	-	-	-	550	-
Stage 1	-	-	-	-	784	-
Stage 2	-	-	-	-	818	-
Approach	EB	WB		SB		
HCM Control Delay, s	1	0		15.4		
HCM LOS				C		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1178	-	-	-	572	
HCM Lane V/C Ratio	0.02	-	-	-	0.397	
HCM Control Delay (s)	8.1	0	-	-	15.4	
HCM Lane LOS	A	A	-	-	C	
HCM 95th %tile Q(veh)	0.1	-	-	-	1.9	

Timings

3: Fiske Boulevard & Pluckebaum Road

Background

PM Peak Hour

					
Lane Group	EBL	EBR	NBL	NBT	SBT
Lane Configurations					
Traffic Volume (vph)	33	318	340	846	855
Future Volume (vph)	33	318	340	846	855
Turn Type	Prot	Perm	pm+pt	NA	NA
Protected Phases	4		1	6	2
Permitted Phases		4	6		
Detector Phase	4	4	1	6	2
Switch Phase					
Minimum Initial (s)	6.0	6.0	6.0	15.0	15.0
Minimum Split (s)	23.6	23.6	12.4	24.4	24.4
Total Split (s)	38.0	38.0	30.0	92.0	62.0
Total Split (%)	29.2%	29.2%	23.1%	70.8%	47.7%
Yellow Time (s)	3.4	3.4	4.4	4.4	4.4
All-Red Time (s)	2.2	2.2	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.6	5.6	6.4	6.4	6.4
Lead/Lag			Lead		Lag
Lead-Lag Optimize?			Yes		Yes
Recall Mode	None	None	None	C-Max	C-Max

Intersection Summary

Cycle Length: 130

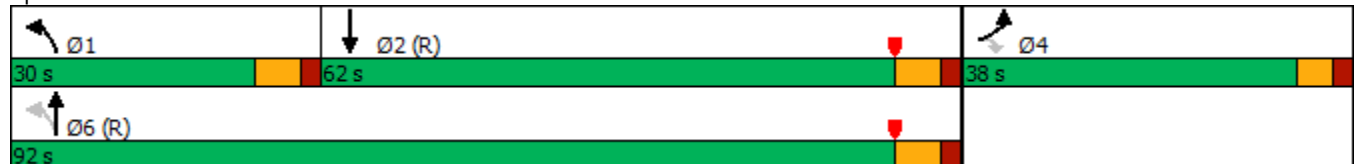
Actuated Cycle Length: 130

Offset: 34 (26%), Referenced to phase 2:SBT and 6:NBTL, Start of Yellow

Natural Cycle: 75

Control Type: Actuated-Coordinated

Splits and Phases: 3: Fiske Boulevard & Pluckebaum Road



HCM 6th Signalized Intersection Summary

3: Fiske Boulevard & Pluckebaum Road

Background
PM Peak Hour



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	33	318	340	846	855	51
Future Volume (veh/h)	33	318	340	846	855	51
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1900	1885	1870	1885	1870	1900
Adj Flow Rate, veh/h	36	346	370	920	929	55
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	0	1	2	1	2	0
Cap, veh/h	418	369	449	2424	1747	103
Arrive On Green	0.23	0.23	0.12	0.68	0.51	0.51
Sat Flow, veh/h	1810	1598	1781	3676	3503	202
Grp Volume(v), veh/h	36	346	370	920	484	500
Grp Sat Flow(s),veh/h/ln	1810	1598	1781	1791	1777	1834
Q Serve(g_s), s	2.0	27.6	12.2	14.5	23.7	23.7
Cycle Q Clear(g_c), s	2.0	27.6	12.2	14.5	23.7	23.7
Prop In Lane	1.00	1.00	1.00			0.11
Lane Grp Cap(c), veh/h	418	369	449	2424	910	940
V/C Ratio(X)	0.09	0.94	0.82	0.38	0.53	0.53
Avail Cap(c_a), veh/h	451	398	567	2424	910	940
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	39.2	49.1	17.6	9.1	21.2	21.2
Incr Delay (d2), s/veh	0.1	28.8	7.8	0.5	2.2	2.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	13.7	5.4	5.3	10.1	10.3
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	39.3	77.9	25.4	9.6	23.5	23.4
LnGrp LOS	D	E	C	A	C	C
Approach Vol, veh/h	382			1290	984	
Approach Delay, s/veh	74.2			14.1	23.4	
Approach LOS	E			B	C	
Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	21.4	73.0		35.6		94.4
Change Period (Y+Rc), s	6.4	6.4		* 5.6		6.4
Max Green Setting (Gmax), s	23.6	55.6		* 32		85.6
Max Q Clear Time (g_c+l1), s	14.2	25.7		29.6		16.5
Green Ext Time (p_c), s	0.8	6.7		0.4		7.6
Intersection Summary						
HCM 6th Ctrl Delay			26.2			
HCM 6th LOS			C			
Notes						

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Timings 4: Clearlake Road & SR 520

Background
PM Peak Hour

											
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Configurations		 			 			 			
Traffic Volume (vph)	251	595	90	39	556	130	62	149	186	188	216
Future Volume (vph)	251	595	90	39	556	130	62	149	186	188	216
Turn Type	pm+pt	NA	Perm	pm+pt	NA	Perm	pm+pt	NA	pm+pt	NA	Perm
Protected Phases	5	2		1	6		3	8	7	4	
Permitted Phases	2		2	6		6	8		4		4
Detector Phase	5	2	2	1	6	6	3	8	7	4	4
Switch Phase											
Minimum Initial (s)	6.0	15.0	15.0	6.0	15.0	15.0	6.0	8.0	6.0	8.0	8.0
Minimum Split (s)	13.1	25.1	25.1	13.1	25.1	25.1	13.3	25.3	13.3	25.3	25.3
Total Split (s)	29.0	68.0	68.0	17.0	56.0	56.0	17.0	32.0	33.0	48.0	48.0
Total Split (%)	19.3%	45.3%	45.3%	11.3%	37.3%	37.3%	11.3%	21.3%	22.0%	32.0%	32.0%
Yellow Time (s)	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
All-Red Time (s)	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.4	2.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	7.1	7.1	7.1	7.1	7.1	7.1	7.3	7.3	7.3	7.3	7.3
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	C-Max	C-Max	None	C-Max	C-Max	None	None	None	None	None

Intersection Summary

Cycle Length: 150

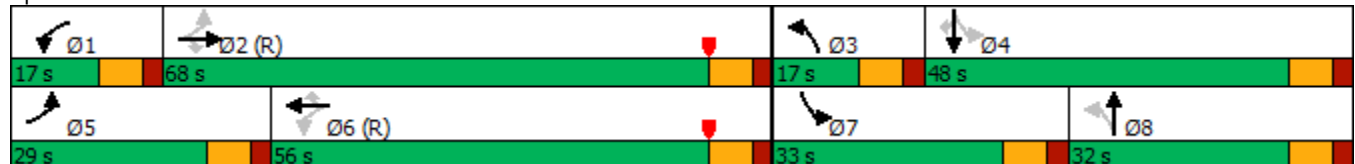
Actuated Cycle Length: 150

Offset: 114 (76%), Referenced to phase 2:EBTL and 6:WBTL, Start of Yellow

Natural Cycle: 80

Control Type: Actuated-Coordinated

Splits and Phases: 4: Clearlake Road & SR 520



HCM 6th Signalized Intersection Summary

4: Clearlake Road & SR 520

Background
PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	251	595	90	39	556	130	62	149	28	186	188	216
Future Volume (veh/h)	251	595	90	39	556	130	62	149	28	186	188	216
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	0.97	1.00	1.00	0.99	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1885	1856	1856	1856	1841	1870	1826	1885	1900	1870	1870	1841
Adj Flow Rate, veh/h	254	601	91	39	562	131	63	151	28	188	190	218
Peak Hour Factor	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Percent Heavy Veh, %	1	3	3	3	4	2	5	1	0	2	2	4
Cap, veh/h	507	1963	851	452	1772	794	201	175	32	258	331	276
Arrive On Green	0.08	0.56	0.56	0.03	0.51	0.51	0.04	0.11	0.11	0.11	0.18	0.18
Sat Flow, veh/h	1795	3526	1528	1767	3497	1566	1739	1547	287	1781	1870	1560
Grp Volume(v), veh/h	254	601	91	39	562	131	63	0	179	188	190	218
Grp Sat Flow(s),veh/h/ln	1795	1763	1528	1767	1749	1566	1739	0	1834	1781	1870	1560
Q Serve(g_s), s	9.8	13.7	4.2	1.6	14.2	6.8	4.8	0.0	14.4	13.6	14.0	20.1
Cycle Q Clear(g_c), s	9.8	13.7	4.2	1.6	14.2	6.8	4.8	0.0	14.4	13.6	14.0	20.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.16	1.00		1.00
Lane Grp Cap(c), veh/h	507	1963	851	452	1772	794	201	0	207	258	331	276
V/C Ratio(X)	0.50	0.31	0.11	0.09	0.32	0.17	0.31	0.00	0.86	0.73	0.57	0.79
Avail Cap(c_a), veh/h	622	1963	851	512	1772	794	241	0	302	374	507	423
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	15.1	17.8	15.7	16.4	21.7	19.9	55.6	0.0	65.4	50.5	56.5	59.0
Incr Delay (d2), s/veh	0.8	0.4	0.3	0.1	0.5	0.4	0.9	0.0	15.9	4.0	1.6	5.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.8	5.4	1.6	0.6	5.7	2.6	2.2	0.0	7.7	6.4	6.8	8.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	15.9	18.2	15.9	16.5	22.2	20.4	56.5	0.0	81.3	54.5	58.1	64.5
LnGrp LOS	B	B	B	B	C	C	E	A	F	D	E	E
Approach Vol, veh/h	946			732			242			596		
Approach Delay, s/veh	17.3			21.6			74.8			59.3		
Approach LOS	B			C			E			E		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	11.9	90.6	13.6	33.9	19.4	83.1	23.2	24.2				
Change Period (Y+Rc), s	* 7.1	* 7.1	7.3	7.3	* 7.1	* 7.1	7.3	7.3				
Max Green Setting (Gmax), s	* 9.9	* 61	9.7	40.7	* 22	* 49	25.7	24.7				
Max Q Clear Time (g_c+I1), s	3.6	15.7	6.8	22.1	11.8	16.2	15.6	16.4				
Green Ext Time (p_c), s	0.0	4.1	0.0	1.7	0.5	3.9	0.4	0.5				
Intersection Summary												
HCM 6th Ctrl Delay			34.0									
HCM 6th LOS			C									
Notes												

Timings 5: Range Road & SR 520

Background
PM Peak Hour

									
Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	SBL	SBT
Lane Configurations									
Traffic Volume (vph)	133	818	23	803	80	71	38	58	22
Future Volume (vph)	133	818	23	803	80	71	38	58	22
Turn Type	pm+pt	NA	pm+pt	NA	Perm	Perm	NA	Perm	NA
Protected Phases	1	6	5	2			4		8
Permitted Phases	6		2		2	4		8	
Detector Phase	1	6	5	2	2	4	4	8	8
Switch Phase									
Minimum Initial (s)	6.0	12.0	6.0	12.0	12.0	6.0	6.0	6.0	6.0
Minimum Split (s)	13.5	25.5	13.5	25.5	25.5	12.5	12.5	24.5	24.5
Total Split (s)	25.0	45.0	25.0	45.0	45.0	30.0	30.0	30.0	30.0
Total Split (%)	25.0%	45.0%	25.0%	45.0%	45.0%	30.0%	30.0%	30.0%	30.0%
Yellow Time (s)	5.5	5.5	5.5	5.5	5.5	4.0	4.0	4.0	4.0
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	7.5	7.5	7.5	7.5	7.5		6.5		6.5
Lead/Lag	Lead	Lag	Lead	Lag	Lag				
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes				
Recall Mode	None	Max	None	Max	Max	None	None	None	None

Intersection Summary

Cycle Length: 100

Actuated Cycle Length: 80.6

Natural Cycle: 65

Control Type: Actuated-Uncoordinated

Splits and Phases: 5: Range Road & SR 520

 Ø1	 Ø2	 Ø4
25 s	45 s	30 s
 Ø5	 Ø6	 Ø8
25 s	45 s	30 s

HCM 6th Signalized Intersection Summary 5: Range Road & SR 520

Background
PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	133	818	62	23	803	80	71	38	20	58	22	72
Future Volume (veh/h)	133	818	62	23	803	80	71	38	20	58	22	72
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1781	1856	1678	1811	1870	1811	1900	1826	1737	1796	1900	1841
Adj Flow Rate, veh/h	140	861	65	24	845	84	75	40	21	61	23	76
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	8	3	15	6	2	6	0	5	11	7	0	4
Cap, veh/h	431	1838	139	384	1805	780	167	68	29	135	43	100
Arrive On Green	0.08	0.55	0.55	0.03	0.51	0.51	0.12	0.12	0.12	0.12	0.12	0.12
Sat Flow, veh/h	1697	3322	251	1725	3554	1535	736	551	235	543	346	804
Grp Volume(v), veh/h	140	457	469	24	845	84	136	0	0	160	0	0
Grp Sat Flow(s),veh/h/ln	1697	1763	1810	1725	1777	1535	1522	0	0	1693	0	0
Q Serve(g_s), s	2.8	11.5	11.5	0.5	11.3	2.1	0.0	0.0	0.0	0.3	0.0	0.0
Cycle Q Clear(g_c), s	2.8	11.5	11.5	0.5	11.3	2.1	6.2	0.0	0.0	6.5	0.0	0.0
Prop In Lane	1.00		0.14	1.00		1.00	0.55		0.15	0.38		0.47
Lane Grp Cap(c), veh/h	431	975	1001	384	1805	780	264	0	0	277	0	0
V/C Ratio(X)	0.32	0.47	0.47	0.06	0.47	0.11	0.51	0.00	0.00	0.58	0.00	0.00
Avail Cap(c_a), veh/h	703	975	1001	739	1805	780	543	0	0	576	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	8.1	9.9	9.9	8.4	11.7	9.4	31.0	0.0	0.0	31.1	0.0	0.0
Incr Delay (d2), s/veh	0.4	1.6	1.6	0.1	0.9	0.3	1.5	0.0	0.0	1.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	3.6	3.7	0.1	3.6	0.6	2.3	0.0	0.0	2.8	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	8.5	11.6	11.5	8.5	12.6	9.7	32.5	0.0	0.0	33.0	0.0	0.0
LnGrp LOS	A	B	B	A	B	A	C	A	A	C	A	A
Approach Vol, veh/h	1066			953			136			160		
Approach Delay, s/veh	11.1			12.2			32.5			33.0		
Approach LOS	B			B			C			C		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	13.2	45.0		15.7	9.8	48.3		15.7				
Change Period (Y+Rc), s	7.5	7.5		6.5	7.5	7.5		6.5				
Max Green Setting (Gmax), s	17.5	37.5		23.5	17.5	37.5		23.5				
Max Q Clear Time (g_c+l1), s	4.8	13.3		8.2	2.5	13.5		8.5				
Green Ext Time (p_c), s	0.2	5.6		0.6	0.0	5.2		0.7				
Intersection Summary												
HCM 6th Ctrl Delay	14.4											
HCM 6th LOS	B											

HCM 6th TWSC

1: Pluckebaum Road & Range Road

Background
AM Peak Hour

Intersection						
Int Delay, s/veh	3.1					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	3	111	81	89	99	4
Future Vol, veh/h	3	111	81	89	99	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	5	6	10	50	33	6
Mvmt Flow	3	117	85	94	104	4
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	179	0	-	0	255	132
Stage 1	-	-	-	-	132	-
Stage 2	-	-	-	-	123	-
Critical Hdwy	4.15	-	-	-	6.73	6.26
Critical Hdwy Stg 1	-	-	-	-	5.73	-
Critical Hdwy Stg 2	-	-	-	-	5.73	-
Follow-up Hdwy	2.245	-	-	-	3.797	3.354
Pot Cap-1 Maneuver	1379	-	-	-	671	907
Stage 1	-	-	-	-	823	-
Stage 2	-	-	-	-	831	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1379	-	-	-	670	907
Mov Cap-2 Maneuver	-	-	-	-	670	-
Stage 1	-	-	-	-	821	-
Stage 2	-	-	-	-	831	-
Approach	EB	WB		SB		
HCM Control Delay, s	0.2	0		11.3		
HCM LOS				B		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1379	-	-	-	677	
HCM Lane V/C Ratio	0.002	-	-	-	0.16	
HCM Control Delay (s)	7.6	0	-	-	11.3	
HCM Lane LOS	A	A	-	-	B	
HCM 95th %tile Q(veh)	0	-	-	-	0.6	

HCM 6th TWSC

2: Pluckebaum Road & Clearlake Road

Background
AM Peak Hour

Intersection						
Int Delay, s/veh	4.7					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	26	217	179	111	183	24
Future Vol, veh/h	26	217	179	111	183	24
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	195	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	97	97	97	97	97	97
Heavy Vehicles, %	100	2	4	4	5	5
Mvmt Flow	27	224	185	114	189	25
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	299	0	-	0	463	185
Stage 1	-	-	-	-	185	-
Stage 2	-	-	-	-	278	-
Critical Hdwy	5.1	-	-	-	6.45	6.25
Critical Hdwy Stg 1	-	-	-	-	5.45	-
Critical Hdwy Stg 2	-	-	-	-	5.45	-
Follow-up Hdwy	3.1	-	-	-	3.545	3.345
Pot Cap-1 Maneuver	862	-	-	-	552	850
Stage 1	-	-	-	-	839	-
Stage 2	-	-	-	-	762	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	862	-	-	-	532	850
Mov Cap-2 Maneuver	-	-	-	-	532	-
Stage 1	-	-	-	-	809	-
Stage 2	-	-	-	-	762	-
Approach	EB	WB		SB		
HCM Control Delay, s	1	0		15.5		
HCM LOS				C		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	862	-	-	-	556	
HCM Lane V/C Ratio	0.031	-	-	-	0.384	
HCM Control Delay (s)	9.3	0	-	-	15.5	
HCM Lane LOS	A	A	-	-	C	
HCM 95th %tile Q(veh)	0.1	-	-	-	1.8	

Timings 3: Fiske Boulevard & Pluckebaum Road

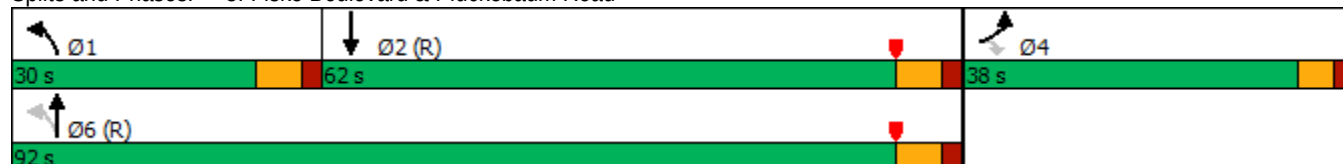
Background
AM Peak Hour

					
Lane Group	EBL	EBR	NBL	NBT	SBT
Lane Configurations					
Traffic Volume (vph)	67	355	252	873	787
Future Volume (vph)	67	355	252	873	787
Turn Type	Prot	Perm	pm+pt	NA	NA
Protected Phases	4		1	6	2
Permitted Phases		4	6		
Detector Phase	4	4	1	6	2
Switch Phase					
Minimum Initial (s)	6.0	6.0	6.0	15.0	15.0
Minimum Split (s)	23.6	23.6	12.4	24.4	24.4
Total Split (s)	38.0	38.0	30.0	92.0	62.0
Total Split (%)	29.2%	29.2%	23.1%	70.8%	47.7%
Yellow Time (s)	3.4	3.4	4.4	4.4	4.4
All-Red Time (s)	2.2	2.2	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.6	5.6	6.4	6.4	6.4
Lead/Lag			Lead		Lag
Lead-Lag Optimize?			Yes		Yes
Recall Mode	None	None	None	C-Max	C-Max

Intersection Summary

Cycle Length: 130
Actuated Cycle Length: 130
Offset: 34 (26%), Referenced to phase 2:SBT and 6:NBT, Start of Yellow
Natural Cycle: 65
Control Type: Actuated-Coordinated

Splits and Phases: 3: Fiske Boulevard & Pluckebaum Road



HCM 6th Signalized Intersection Summary

3: Fiske Boulevard & Pluckebaum Road

Background
AM Peak Hour



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	67	355	252	873	787	30
Future Volume (veh/h)	67	355	252	873	787	30
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1841	1856	1870	1826	1693
Adj Flow Rate, veh/h	70	370	262	909	820	31
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	4	3	2	5	14
Cap, veh/h	443	388	446	2341	1787	68
Arrive On Green	0.25	0.25	0.09	0.66	0.52	0.52
Sat Flow, veh/h	1781	1560	1767	3647	3500	129
Grp Volume(v), veh/h	70	370	262	909	417	434
Grp Sat Flow(s),veh/h/ln	1781	1560	1767	1777	1735	1803
Q Serve(g_s), s	4.0	30.4	8.5	15.2	19.6	19.6
Cycle Q Clear(g_c), s	4.0	30.4	8.5	15.2	19.6	19.6
Prop In Lane	1.00	1.00	1.00			0.07
Lane Grp Cap(c), veh/h	443	388	446	2341	909	945
V/C Ratio(X)	0.16	0.95	0.59	0.39	0.46	0.46
Avail Cap(c_a), veh/h	444	389	616	2341	909	945
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	38.2	48.1	13.8	10.2	19.4	19.4
Incr Delay (d2), s/veh	0.2	33.5	1.2	0.5	1.7	1.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.8	15.1	3.3	5.6	8.0	8.3
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	38.3	81.6	15.0	10.7	21.0	21.0
LnGrp LOS	D	F	B	B	C	C
Approach Vol, veh/h	440			1171	851	
Approach Delay, s/veh	74.7			11.6	21.0	
Approach LOS	E			B	C	
Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	17.5	74.5		38.0		92.0
Change Period (Y+Rc), s	6.4	6.4		* 5.6		6.4
Max Green Setting (Gmax), s	23.6	55.6		* 32		85.6
Max Q Clear Time (g_c+l1), s	10.5	21.6		32.4		17.2
Green Ext Time (p_c), s	0.6	5.7		0.0		7.5

Intersection Summary

HCM 6th Ctrl Delay	26.1
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Timings 4: Clearlake Road & SR 520

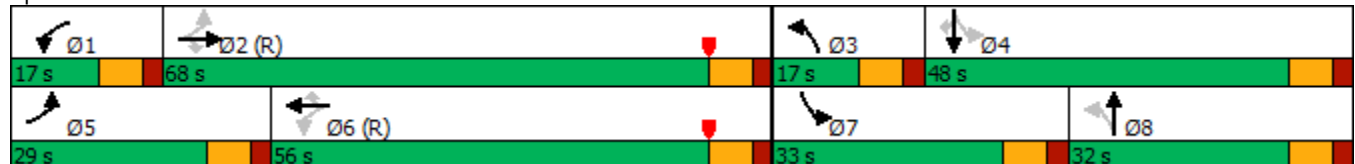
Background
AM Peak Hour

											
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Configurations											
Traffic Volume (vph)	169	683	59	30	431	73	49	121	151	135	184
Future Volume (vph)	169	683	59	30	431	73	49	121	151	135	184
Turn Type	pm+pt	NA	Perm	pm+pt	NA	Perm	pm+pt	NA	pm+pt	NA	Perm
Protected Phases	5	2		1	6		3	8	7	4	
Permitted Phases	2		2	6		6	8		4		4
Detector Phase	5	2	2	1	6	6	3	8	7	4	4
Switch Phase											
Minimum Initial (s)	6.0	15.0	15.0	6.0	15.0	15.0	6.0	8.0	6.0	8.0	8.0
Minimum Split (s)	13.1	25.1	25.1	13.1	25.1	25.1	13.3	25.3	13.3	25.3	25.3
Total Split (s)	29.0	68.0	68.0	17.0	56.0	56.0	17.0	32.0	33.0	48.0	48.0
Total Split (%)	19.3%	45.3%	45.3%	11.3%	37.3%	37.3%	11.3%	21.3%	22.0%	32.0%	32.0%
Yellow Time (s)	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
All-Red Time (s)	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.4	2.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	7.1	7.1	7.1	7.1	7.1	7.1	7.3	7.3	7.3	7.3	7.3
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	C-Max	C-Max	None	C-Max	C-Max	None	None	None	None	None

Intersection Summary

Cycle Length: 150
Actuated Cycle Length: 150
Offset: 114 (76%), Referenced to phase 2:EBTL and 6:WBTL, Start of Yellow
Natural Cycle: 80
Control Type: Actuated-Coordinated

Splits and Phases: 4: Clearlake Road & SR 520



HCM 6th Signalized Intersection Summary

4: Clearlake Road & SR 520

Background
AM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	169	683	59	30	431	73	49	121	25	151	135	184
Future Volume (veh/h)	169	683	59	30	431	73	49	121	25	151	135	184
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	0.97	1.00	1.00	0.99	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1796	1826	1826	1767	1781	1856	1796	1826	1841	1781	1826	1811
Adj Flow Rate, veh/h	178	719	62	32	454	77	52	127	26	159	142	194
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	7	5	5	9	8	3	7	5	4	8	5	6
Cap, veh/h	554	2013	873	405	1857	852	202	149	31	232	297	249
Arrive On Green	0.06	0.58	0.58	0.03	0.55	0.55	0.04	0.10	0.10	0.10	0.16	0.16
Sat Flow, veh/h	1711	3469	1504	1682	3385	1554	1711	1471	301	1697	1826	1535
Grp Volume(v), veh/h	178	719	62	32	454	77	52	0	153	159	142	194
Grp Sat Flow(s),veh/h/ln	1711	1735	1504	1682	1692	1554	1711	0	1772	1697	1826	1535
Q Serve(g_s), s	6.8	16.5	2.7	1.2	10.5	3.5	4.1	0.0	12.7	12.2	10.6	18.2
Cycle Q Clear(g_c), s	6.8	16.5	2.7	1.2	10.5	3.5	4.1	0.0	12.7	12.2	10.6	18.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.17	1.00		1.00
Lane Grp Cap(c), veh/h	554	2013	873	405	1857	852	202	0	180	232	297	249
V/C Ratio(X)	0.32	0.36	0.07	0.08	0.24	0.09	0.26	0.00	0.85	0.69	0.48	0.78
Avail Cap(c_a), veh/h	699	2013	873	466	1857	852	251	0	292	358	495	416
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	13.2	16.7	13.8	14.1	17.6	16.1	57.5	0.0	66.3	52.3	57.0	60.2
Incr Delay (d2), s/veh	0.3	0.5	0.2	0.1	0.3	0.2	0.7	0.0	12.2	3.6	1.2	5.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.5	6.3	1.0	0.5	4.0	1.3	1.8	0.0	6.4	5.5	5.0	7.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	13.6	17.2	13.9	14.2	18.0	16.3	58.2	0.0	78.4	55.8	58.2	65.4
LnGrp LOS	B	B	B	B	B	B	E	A	E	E	E	E
Approach Vol, veh/h	959			563			205			495		
Approach Delay, s/veh	16.3			17.5			73.3			60.3		
Approach LOS	B			B			E			E		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	11.5	94.1	12.7	31.7	16.2	89.4	21.8	22.5				
Change Period (Y+Rc), s	* 7.1	* 7.1	7.3	7.3	* 7.1	* 7.1	7.3	7.3				
Max Green Setting (Gmax), s	* 9.9	* 61	9.7	40.7	* 22	* 49	25.7	24.7				
Max Q Clear Time (g_c+I1), s	3.2	18.5	6.1	20.2	8.8	12.5	14.2	14.7				
Green Ext Time (p_c), s	0.0	5.0	0.0	1.4	0.3	3.0	0.3	0.5				
Intersection Summary												
HCM 6th Ctrl Delay	31.7											
HCM 6th LOS	C											
Notes												

Timings 5: Range Road & SR 520

Background
AM Peak Hour

									
Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	SBL	SBT
Lane Configurations									
Traffic Volume (vph)	121	832	25	546	40	63	33	88	52
Future Volume (vph)	121	832	25	546	40	63	33	88	52
Turn Type	pm+pt	NA	pm+pt	NA	Perm	Perm	NA	Perm	NA
Protected Phases	1	6	5	2			4		8
Permitted Phases	6		2		2	4		8	
Detector Phase	1	6	5	2	2	4	4	8	8
Switch Phase									
Minimum Initial (s)	6.0	12.0	6.0	12.0	12.0	6.0	6.0	6.0	6.0
Minimum Split (s)	13.5	25.5	13.5	25.5	25.5	12.5	12.5	24.5	24.5
Total Split (s)	25.0	45.0	25.0	45.0	45.0	30.0	30.0	30.0	30.0
Total Split (%)	25.0%	45.0%	25.0%	45.0%	45.0%	30.0%	30.0%	30.0%	30.0%
Yellow Time (s)	5.5	5.5	5.5	5.5	5.5	4.0	4.0	4.0	4.0
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	7.5	7.5	7.5	7.5	7.5		6.5		6.5
Lead/Lag	Lead	Lag	Lead	Lag	Lag				
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes				
Recall Mode	None	Max	None	Max	Max	None	None	None	None

Intersection Summary

Cycle Length: 100

Actuated Cycle Length: 83.6

Natural Cycle: 65

Control Type: Actuated-Uncoordinated

Splits and Phases: 5: Range Road & SR 520

		
Ø1	Ø2	Ø4
25 s	45 s	30 s
		
Ø5	Ø6	Ø8
25 s	45 s	30 s

HCM 6th Signalized Intersection Summary 5: Range Road & SR 520

Background
AM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	121	832	67	25	546	40	63	33	20	88	52	44
Future Volume (veh/h)	121	832	67	25	546	40	63	33	20	88	52	44
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1826	1826	1811	1900	1885	1826	1722	1811	1411	1707	1841	1826
Adj Flow Rate, veh/h	127	876	71	26	575	42	66	35	21	93	55	46
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	5	5	6	0	1	5	12	6	33	13	4	5
Cap, veh/h	534	1734	141	372	1767	763	172	85	38	174	80	57
Arrive On Green	0.07	0.53	0.53	0.03	0.49	0.49	0.15	0.15	0.15	0.15	0.15	0.15
Sat Flow, veh/h	1739	3250	263	1810	3582	1547	659	563	254	692	535	381
Grp Volume(v), veh/h	127	468	479	26	575	42	122	0	0	194	0	0
Grp Sat Flow(s),veh/h/ln	1739	1735	1778	1810	1791	1547	1475	0	0	1608	0	0
Q Serve(g_s), s	2.6	13.1	13.1	0.5	7.4	1.1	0.0	0.0	0.0	3.0	0.0	0.0
Cycle Q Clear(g_c), s	2.6	13.1	13.1	0.5	7.4	1.1	5.6	0.0	0.0	8.6	0.0	0.0
Prop In Lane	1.00		0.15	1.00		1.00	0.54		0.17	0.48		0.24
Lane Grp Cap(c), veh/h	534	925	949	372	1767	763	295	0	0	312	0	0
V/C Ratio(X)	0.24	0.51	0.51	0.07	0.33	0.06	0.41	0.00	0.00	0.62	0.00	0.00
Avail Cap(c_a), veh/h	807	925	949	729	1767	763	521	0	0	550	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	8.1	11.3	11.3	9.3	11.6	10.0	29.7	0.0	0.0	31.0	0.0	0.0
Incr Delay (d2), s/veh	0.2	2.0	1.9	0.1	0.5	0.1	0.9	0.0	0.0	2.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	4.2	4.3	0.2	2.4	0.3	2.0	0.0	0.0	3.4	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	8.3	13.3	13.2	9.4	12.1	10.2	30.6	0.0	0.0	33.0	0.0	0.0
LnGrp LOS	A	B	B	A	B	B	C	A	A	C	A	A
Approach Vol, veh/h	1074			643			122			194		
Approach Delay, s/veh	12.7			11.9			30.6			33.0		
Approach LOS	B			B			C			C		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	13.1	45.0		17.9	10.0	48.1		17.9				
Change Period (Y+Rc), s	7.5	7.5		6.5	7.5	7.5		6.5				
Max Green Setting (Gmax), s	17.5	37.5		23.5	17.5	37.5		23.5				
Max Q Clear Time (g_c+l1), s	4.6	9.4		7.6	2.5	15.1		10.6				
Green Ext Time (p_c), s	0.2	3.6		0.5	0.0	5.3		0.8				
Intersection Summary												
HCM 6th Ctrl Delay	15.4											
HCM 6th LOS	B											

HCM 6th TWSC
1: Pluckebaum Road & Range Road

Background
PM Peak Hour

Intersection						
Int Delay, s/veh	2.5					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	4	101	120	84	71	15
Future Vol, veh/h	4	101	120	84	71	15
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	91	91	91	91	91	91
Heavy Vehicles, %	0	2	1	4	6	8
Mvmt Flow	4	111	132	92	78	16
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	224	0	-	0	297	178
Stage 1	-	-	-	-	178	-
Stage 2	-	-	-	-	119	-
Critical Hdwy	4.1	-	-	-	6.46	6.28
Critical Hdwy Stg 1	-	-	-	-	5.46	-
Critical Hdwy Stg 2	-	-	-	-	5.46	-
Follow-up Hdwy	2.2	-	-	-	3.554	3.372
Pot Cap-1 Maneuver	1357	-	-	-	686	850
Stage 1	-	-	-	-	843	-
Stage 2	-	-	-	-	896	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1357	-	-	-	684	850
Mov Cap-2 Maneuver	-	-	-	-	684	-
Stage 1	-	-	-	-	840	-
Stage 2	-	-	-	-	896	-
Approach	EB	WB		SB		
HCM Control Delay, s	0.3	0		10.9		
HCM LOS				B		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1357	-	-	-	708	
HCM Lane V/C Ratio	0.003	-	-	-	0.133	
HCM Control Delay (s)	7.7	0	-	-	10.9	
HCM Lane LOS	A	A	-	-	B	
HCM 95th %tile Q(veh)	0	-	-	-	0.5	

HCM 6th TWSC

2: Pluckebaum Road & Clearlake Road

Background
PM Peak Hour

Intersection						
Int Delay, s/veh	4.7					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	24	170	237	154	200	27
Future Vol, veh/h	24	170	237	154	200	27
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	195	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	0	2	2	0	2	0
Mvmt Flow	25	177	247	160	208	28
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	407	0	-	0	474	247
Stage 1	-	-	-	-	247	-
Stage 2	-	-	-	-	227	-
Critical Hdwy	4.1	-	-	-	6.42	6.2
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.2	-	-	-	3.518	3.3
Pot Cap-1 Maneuver	1163	-	-	-	549	797
Stage 1	-	-	-	-	794	-
Stage 2	-	-	-	-	811	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1163	-	-	-	536	797
Mov Cap-2 Maneuver	-	-	-	-	536	-
Stage 1	-	-	-	-	775	-
Stage 2	-	-	-	-	811	-
Approach	EB	WB		SB		
HCM Control Delay, s	1	0		16.1		
HCM LOS				C		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1163	-	-	-	558	
HCM Lane V/C Ratio	0.021	-	-	-	0.424	
HCM Control Delay (s)	8.2	0	-	-	16.1	
HCM Lane LOS	A	A	-	-	C	
HCM 95th %tile Q(veh)	0.1	-	-	-	2.1	

Timings

3: Fiske Boulevard & Pluckebaum Road

Background

PM Peak Hour

					
Lane Group	EBL	EBR	NBL	NBT	SBT
Lane Configurations					
Traffic Volume (vph)	34	331	354	879	889
Future Volume (vph)	34	331	354	879	889
Turn Type	Prot	Perm	pm+pt	NA	NA
Protected Phases	4		1	6	2
Permitted Phases		4	6		
Detector Phase	4	4	1	6	2
Switch Phase					
Minimum Initial (s)	6.0	6.0	6.0	15.0	15.0
Minimum Split (s)	23.6	23.6	12.4	24.4	24.4
Total Split (s)	38.0	38.0	30.0	92.0	62.0
Total Split (%)	29.2%	29.2%	23.1%	70.8%	47.7%
Yellow Time (s)	3.4	3.4	4.4	4.4	4.4
All-Red Time (s)	2.2	2.2	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.6	5.6	6.4	6.4	6.4
Lead/Lag			Lead		Lag
Lead-Lag Optimize?			Yes		Yes
Recall Mode	None	None	None	C-Max	C-Max

Intersection Summary

Cycle Length: 130

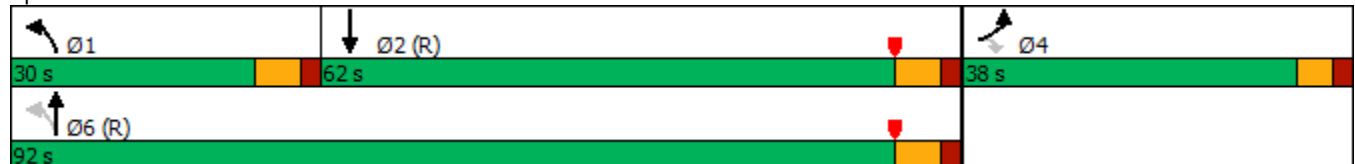
Actuated Cycle Length: 130

Offset: 34 (26%), Referenced to phase 2:SBT and 6:NBT, Start of Yellow

Natural Cycle: 80

Control Type: Actuated-Coordinated

Splits and Phases: 3: Fiske Boulevard & Pluckebaum Road



HCM 6th Signalized Intersection Summary

3: Fiske Boulevard & Pluckebaum Road

Background
PM Peak Hour



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	34	331	354	879	889	53
Future Volume (veh/h)	34	331	354	879	889	53
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1900	1885	1870	1885	1870	1900
Adj Flow Rate, veh/h	37	360	385	955	966	58
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	0	1	2	1	2	0
Cap, veh/h	432	381	437	2396	1695	102
Arrive On Green	0.24	0.24	0.12	0.67	0.50	0.50
Sat Flow, veh/h	1810	1598	1781	3676	3499	204
Grp Volume(v), veh/h	37	360	385	955	504	520
Grp Sat Flow(s),veh/h/ln	1810	1598	1781	1791	1777	1834
Q Serve(g_s), s	2.1	28.8	13.1	15.6	25.9	25.9
Cycle Q Clear(g_c), s	2.1	28.8	13.1	15.6	25.9	25.9
Prop In Lane	1.00	1.00	1.00			0.11
Lane Grp Cap(c), veh/h	432	381	437	2396	884	912
V/C Ratio(X)	0.09	0.94	0.88	0.40	0.57	0.57
Avail Cap(c_a), veh/h	451	398	543	2396	884	912
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	38.5	48.6	19.9	9.7	22.9	22.9
Incr Delay (d2), s/veh	0.1	30.5	13.2	0.5	2.7	2.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	14.5	7.3	5.8	11.1	11.4
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	38.5	79.1	33.1	10.2	25.6	25.5
LnGrp LOS	D	E	C	B	C	C
Approach Vol, veh/h	397			1340	1024	
Approach Delay, s/veh	75.3			16.8	25.5	
Approach LOS	E			B	C	
Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	22.3	71.1		36.6		93.4
Change Period (Y+Rc), s	6.4	6.4		* 5.6		6.4
Max Green Setting (Gmax), s	23.6	55.6		* 32		85.6
Max Q Clear Time (g_c+l1), s	15.1	27.9		30.8		17.6
Green Ext Time (p_c), s	0.8	7.0		0.3		8.0
Intersection Summary						
HCM 6th Ctrl Delay			28.4			
HCM 6th LOS			C			
Notes						

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Timings 4: Clearlake Road & SR 520

Background
PM Peak Hour

											
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Configurations											
Traffic Volume (vph)	261	619	94	40	578	135	64	154	194	196	225
Future Volume (vph)	261	619	94	40	578	135	64	154	194	196	225
Turn Type	pm+pt	NA	Perm	pm+pt	NA	Perm	pm+pt	NA	pm+pt	NA	Perm
Protected Phases	5	2		1	6		3	8	7	4	
Permitted Phases	2		2	6		6	8		4		4
Detector Phase	5	2	2	1	6	6	3	8	7	4	4
Switch Phase											
Minimum Initial (s)	6.0	15.0	15.0	6.0	15.0	15.0	6.0	8.0	6.0	8.0	8.0
Minimum Split (s)	13.1	25.1	25.1	13.1	25.1	25.1	13.3	25.3	13.3	25.3	25.3
Total Split (s)	29.0	68.0	68.0	17.0	56.0	56.0	17.0	32.0	33.0	48.0	48.0
Total Split (%)	19.3%	45.3%	45.3%	11.3%	37.3%	37.3%	11.3%	21.3%	22.0%	32.0%	32.0%
Yellow Time (s)	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
All-Red Time (s)	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.4	2.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	7.1	7.1	7.1	7.1	7.1	7.1	7.3	7.3	7.3	7.3	7.3
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	C-Max	C-Max	None	C-Max	C-Max	None	None	None	None	None

Intersection Summary

Cycle Length: 150

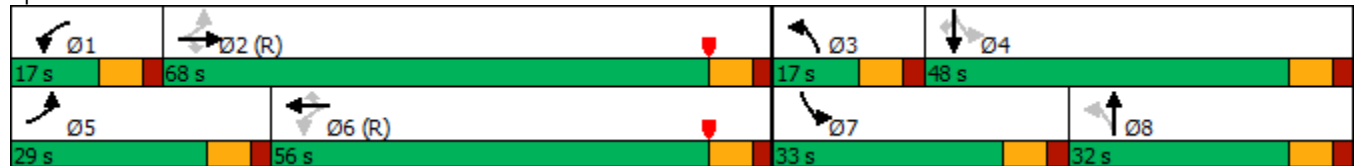
Actuated Cycle Length: 150

Offset: 114 (76%), Referenced to phase 2:EBTL and 6:WBTL, Start of Yellow

Natural Cycle: 80

Control Type: Actuated-Coordinated

Splits and Phases: 4: Clearlake Road & SR 520



HCM 6th Signalized Intersection Summary 4: Clearlake Road & SR 520

Background
PM Peak Hour

													
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations													
Traffic Volume (veh/h)	261	619	94	40	578	135	64	154	29	194	196	225	
Future Volume (veh/h)	261	619	94	40	578	135	64	154	29	194	196	225	
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0	
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00	
Parking Bus, Adj	1.00	1.00	0.97	1.00	1.00	0.99	1.00	1.00	1.00	1.00	1.00	1.00	
Work Zone On Approach	No			No			No			No			
Adj Sat Flow, veh/h/ln	1885	1856	1856	1856	1841	1870	1826	1885	1900	1870	1870	1841	
Adj Flow Rate, veh/h	264	625	95	40	584	136	65	156	29	196	198	227	
Peak Hour Factor	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	
Percent Heavy Veh, %	1	3	3	3	4	2	5	1	0	2	2	4	
Cap, veh/h	494	1938	840	434	1734	776	204	180	33	264	342	285	
Arrive On Green	0.09	0.55	0.55	0.03	0.50	0.50	0.04	0.12	0.12	0.11	0.18	0.18	
Sat Flow, veh/h	1795	3526	1528	1767	3497	1566	1739	1546	287	1781	1870	1560	
Grp Volume(v), veh/h	264	625	95	40	584	136	65	0	185	196	198	227	
Grp Sat Flow(s),veh/h/ln	1795	1763	1528	1767	1749	1566	1739	0	1833	1781	1870	1560	
Q Serve(g_s), s	10.5	14.6	4.5	1.6	15.2	7.2	4.9	0.0	14.9	14.1	14.5	20.9	
Cycle Q Clear(g_c), s	10.5	14.6	4.5	1.6	15.2	7.2	4.9	0.0	14.9	14.1	14.5	20.9	
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.16	1.00		1.00	
Lane Grp Cap(c), veh/h	494	1938	840	434	1734	776	204	0	213	264	342	285	
V/C Ratio(X)	0.53	0.32	0.11	0.09	0.34	0.18	0.32	0.00	0.87	0.74	0.58	0.80	
Avail Cap(c_a), veh/h	601	1938	840	493	1734	776	241	0	302	374	507	423	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	
Uniform Delay (d), s/veh	15.9	18.5	16.2	17.2	22.9	20.9	55.1	0.0	65.2	49.9	56.0	58.6	
Incr Delay (d2), s/veh	0.9	0.4	0.3	0.1	0.5	0.5	0.9	0.0	17.0	4.8	1.6	6.3	
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
%ile BackOfQ(50%),veh/ln	4.1	5.7	1.7	0.7	6.1	2.8	2.2	0.0	8.0	6.7	7.0	8.8	
Unsig. Movement Delay, s/veh													
LnGrp Delay(d),s/veh	16.8	18.9	16.5	17.3	23.4	21.4	56.0	0.0	82.2	54.7	57.6	64.9	
LnGrp LOS	B	B	B	B	C	C	E	A	F	D	E	E	
Approach Vol, veh/h	984				760				250				621
Approach Delay, s/veh	18.1				22.7				75.4				59.3
Approach LOS	B				C				E				E
Timer - Assigned Phs	1	2	3	4	5	6	7	8					
Phs Duration (G+Y+Rc), s	12.0	89.5	13.8	34.7	20.0	81.5	23.8	24.7					
Change Period (Y+Rc), s	* 7.1	* 7.1	7.3	7.3	* 7.1	* 7.1	7.3	7.3					
Max Green Setting (Gmax), s	* 9.9	* 61	9.7	40.7	* 22	* 49	25.7	24.7					
Max Q Clear Time (g_c+I1), s	3.6	16.6	6.9	22.9	12.5	17.2	16.1	16.9					
Green Ext Time (p_c), s	0.0	4.3	0.0	1.8	0.5	4.0	0.4	0.5					
Intersection Summary													
HCM 6th Ctrl Delay			34.7										
HCM 6th LOS			C										
Notes													

Timings 5: Range Road & SR 520

Background
PM Peak Hour

									
Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	SBL	SBT
Lane Configurations									
Traffic Volume (vph)	138	851	24	835	83	74	39	61	23
Future Volume (vph)	138	851	24	835	83	74	39	61	23
Turn Type	pm+pt	NA	pm+pt	NA	Perm	Perm	NA	Perm	NA
Protected Phases	1	6	5	2			4		8
Permitted Phases	6		2		2	4		8	
Detector Phase	1	6	5	2	2	4	4	8	8
Switch Phase									
Minimum Initial (s)	6.0	12.0	6.0	12.0	12.0	6.0	6.0	6.0	6.0
Minimum Split (s)	13.5	25.5	13.5	25.5	25.5	12.5	12.5	24.5	24.5
Total Split (s)	25.0	45.0	25.0	45.0	45.0	30.0	30.0	30.0	30.0
Total Split (%)	25.0%	45.0%	25.0%	45.0%	45.0%	30.0%	30.0%	30.0%	30.0%
Yellow Time (s)	5.5	5.5	5.5	5.5	5.5	4.0	4.0	4.0	4.0
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	7.5	7.5	7.5	7.5	7.5		6.5		6.5
Lead/Lag	Lead	Lag	Lead	Lag	Lag				
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes				
Recall Mode	None	Max	None	Max	Max	None	None	None	None

Intersection Summary

Cycle Length: 100

Actuated Cycle Length: 81.3

Natural Cycle: 65

Control Type: Actuated-Uncoordinated

Splits and Phases: 5: Range Road & SR 520

 Ø1	 Ø2	 Ø4
25 s	45 s	30 s
 Ø5	 Ø6	 Ø8
25 s	45 s	30 s

HCM 6th Signalized Intersection Summary 5: Range Road & SR 520

Background
PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	138	851	64	24	835	83	74	39	21	61	23	75
Future Volume (veh/h)	138	851	64	24	835	83	74	39	21	61	23	75
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1781	1856	1678	1811	1870	1811	1900	1826	1737	1796	1900	1841
Adj Flow Rate, veh/h	145	896	67	25	879	87	78	41	22	64	24	79
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	8	3	15	6	2	6	0	5	11	7	0	4
Cap, veh/h	417	1825	136	369	1794	775	169	70	30	137	44	103
Arrive On Green	0.08	0.55	0.55	0.03	0.50	0.50	0.13	0.13	0.13	0.13	0.13	0.13
Sat Flow, veh/h	1697	3325	249	1725	3554	1535	725	538	233	542	342	794
Grp Volume(v), veh/h	145	475	488	25	879	87	141	0	0	167	0	0
Grp Sat Flow(s),veh/h/ln	1697	1763	1811	1725	1777	1535	1496	0	0	1679	0	0
Q Serve(g_s), s	2.9	12.4	12.4	0.5	12.1	2.2	0.0	0.0	0.0	0.3	0.0	0.0
Cycle Q Clear(g_c), s	2.9	12.4	12.4	0.5	12.1	2.2	6.6	0.0	0.0	6.9	0.0	0.0
Prop In Lane	1.00		0.14	1.00		1.00	0.55		0.16	0.38		0.47
Lane Grp Cap(c), veh/h	417	968	994	369	1794	775	269	0	0	284	0	0
V/C Ratio(X)	0.35	0.49	0.49	0.07	0.49	0.11	0.53	0.00	0.00	0.59	0.00	0.00
Avail Cap(c_a), veh/h	686	968	994	719	1794	775	536	0	0	571	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	8.4	10.3	10.3	8.7	12.1	9.7	31.0	0.0	0.0	31.2	0.0	0.0
Incr Delay (d2), s/veh	0.5	1.8	1.7	0.1	1.0	0.3	1.6	0.0	0.0	1.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	3.9	4.0	0.1	3.9	0.6	2.4	0.0	0.0	2.9	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	8.9	12.1	12.1	8.7	13.1	10.0	32.6	0.0	0.0	33.1	0.0	0.0
LnGrp LOS	A	B	B	A	B	A	C	A	A	C	A	A
Approach Vol, veh/h	1108			991			141			167		
Approach Delay, s/veh	11.7			12.7			32.6			33.1		
Approach LOS	B			B			C			C		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	13.2	45.0		16.1	9.9	48.3		16.1				
Change Period (Y+Rc), s	7.5	7.5		6.5	7.5	7.5		6.5				
Max Green Setting (Gmax), s	17.5	37.5		23.5	17.5	37.5		23.5				
Max Q Clear Time (g_c+l1), s	4.9	14.1		8.6	2.5	14.4		8.9				
Green Ext Time (p_c), s	0.3	5.8		0.6	0.0	5.5		0.7				
Intersection Summary												
HCM 6th Ctrl Delay	14.8											
HCM 6th LOS	B											

HCM 6th TWSC
1: Pluckebaum Road & Range Road

Buildout
AM Peak

Intersection						
Int Delay, s/veh	3					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	3	112	85	104	105	4
Future Vol, veh/h	3	112	85	104	105	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	33	6	5	6	10	50
Mvmt Flow	3	118	89	109	111	4
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	198	0	-	0	268	144
Stage 1	-	-	-	-	144	-
Stage 2	-	-	-	-	124	-
Critical Hdwy	4.43	-	-	-	6.5	6.7
Critical Hdwy Stg 1	-	-	-	-	5.5	-
Critical Hdwy Stg 2	-	-	-	-	5.5	-
Follow-up Hdwy	2.497	-	-	-	3.59	3.75
Pot Cap-1 Maneuver	1209	-	-	-	704	791
Stage 1	-	-	-	-	864	-
Stage 2	-	-	-	-	882	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1209	-	-	-	702	791
Mov Cap-2 Maneuver	-	-	-	-	702	-
Stage 1	-	-	-	-	861	-
Stage 2	-	-	-	-	882	-
Approach	EB	WB		SB		
HCM Control Delay, s	0.2	0		11.1		
HCM LOS				B		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1209	-	-	-	705	
HCM Lane V/C Ratio	0.003	-	-	-	0.163	
HCM Control Delay (s)	8	0	-	-	11.1	
HCM Lane LOS	A	A	-	-	B	
HCM 95th %tile Q(veh)	0	-	-	-	0.6	

HCM 6th TWSC 2: Pluckebaum Road & Clearlake Road

Buildout
AM Peak

Intersection						
Int Delay, s/veh	4.9					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	32	281	202	113	189	24
Future Vol, veh/h	32	281	202	113	189	24
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	195	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	97	97	97	97	97	97
Heavy Vehicles, %	21	2	4	4	5	5
Mvmt Flow	33	290	208	116	195	25
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	324	0	-	0	564	208
Stage 1	-	-	-	-	208	-
Stage 2	-	-	-	-	356	-
Critical Hdwy	4.31	-	-	-	6.45	6.25
Critical Hdwy Stg 1	-	-	-	-	5.45	-
Critical Hdwy Stg 2	-	-	-	-	5.45	-
Follow-up Hdwy	2.389	-	-	-	3.545	3.345
Pot Cap-1 Maneuver	1136	-	-	-	482	825
Stage 1	-	-	-	-	820	-
Stage 2	-	-	-	-	702	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1136	-	-	-	465	825
Mov Cap-2 Maneuver	-	-	-	-	465	-
Stage 1	-	-	-	-	791	-
Stage 2	-	-	-	-	702	-
Approach	EB	WB		SB		
HCM Control Delay, s	0.8	0		18.2		
HCM LOS				C		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1136	-	-	-	489	
HCM Lane V/C Ratio	0.029	-	-	-	0.449	
HCM Control Delay (s)	8.3	0	-	-	18.2	
HCM Lane LOS	A	A	-	-	C	
HCM 95th %tile Q(veh)	0.1	-	-	-	2.3	

Timings 3: Fiske Boulevard & Pluckebaum Road

Buildout
AM Peak

					
Lane Group	EBL	EBR	NBL	NBT	SBT
Lane Configurations					
Traffic Volume (vph)	96	395	266	873	787
Future Volume (vph)	96	395	266	873	787
Turn Type	Prot	Perm	pm+pt	NA	NA
Protected Phases	4		1	6	2
Permitted Phases		4	6		
Detector Phase	4	4	1	6	2
Switch Phase					
Minimum Initial (s)	6.0	6.0	6.0	15.0	15.0
Minimum Split (s)	23.6	23.6	12.4	24.4	24.4
Total Split (s)	38.0	38.0	30.0	92.0	62.0
Total Split (%)	29.2%	29.2%	23.1%	70.8%	47.7%
Yellow Time (s)	3.4	3.4	4.4	4.4	4.4
All-Red Time (s)	2.2	2.2	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.6	5.6	6.4	6.4	6.4
Lead/Lag			Lead		Lag
Lead-Lag Optimize?			Yes		Yes
Recall Mode	None	None	None	C-Max	C-Max

Intersection Summary

Cycle Length: 130
Actuated Cycle Length: 130
Offset: 34 (26%), Referenced to phase 2:SBT and 6:NBT, Start of Yellow
Natural Cycle: 65
Control Type: Actuated-Coordinated

Splits and Phases: 3: Fiske Boulevard & Pluckebaum Road



HCM 6th Signalized Intersection Summary3: Fiske Boulevard & Pluckebaum Road

Buildout
AM Peak

						
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	96	395	266	873	787	41
Future Volume (veh/h)	96	395	266	873	787	41
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1841	1856	1870	1826	1693
Adj Flow Rate, veh/h	100	411	277	909	820	43
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	4	3	2	5	14
Cap, veh/h	444	389	446	2340	1741	91
Arrive On Green	0.25	0.25	0.09	0.66	0.52	0.52
Sat Flow, veh/h	1781	1560	1767	3647	3444	176
Grp Volume(v), veh/h	100	411	277	909	424	439
Grp Sat Flow(s),veh/h/ln	1781	1560	1767	1777	1735	1794
Q Serve(g_s), s	5.8	32.4	9.1	15.3	20.2	20.2
Cycle Q Clear(g_c), s	5.8	32.4	9.1	15.3	20.2	20.2
Prop In Lane	1.00	1.00	1.00			0.10
Lane Grp Cap(c), veh/h	444	389	446	2340	901	932
V/C Ratio(X)	0.23	1.06	0.62	0.39	0.47	0.47
Avail Cap(c_a), veh/h	444	389	607	2340	901	932
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	38.8	48.8	14.2	10.2	19.9	19.9
Incr Delay (d2), s/veh	0.3	61.5	1.4	0.5	1.8	1.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.5	18.9	3.5	5.6	8.3	8.6
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	39.1	110.3	15.7	10.7	21.7	21.6
LnGrp LOS	D	F	B	B	C	C
Approach Vol, veh/h	511			1186	863	
Approach Delay, s/veh	96.4			11.8	21.6	
Approach LOS	F			B	C	
Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	18.1	73.9		38.0		92.0
Change Period (Y+Rc), s	6.4	6.4		* 5.6		6.4
Max Green Setting (Gmax), s	23.6	55.6		* 32		85.6
Max Q Clear Time (g_c+l1), s	11.1	22.2		34.4		17.3
Green Ext Time (p_c), s	0.6	5.8		0.0		7.5
Intersection Summary						
HCM 6th Ctrl Delay			32.0			
HCM 6th LOS			C			
Notes						
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.						

Timings 4: Clearlake Road & SR 520

Buildout
AM Peak

											
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Configurations		 			 			 			
Traffic Volume (vph)	169	683	60	31	431	73	51	147	151	144	184
Future Volume (vph)	169	683	60	31	431	73	51	147	151	144	184
Turn Type	pm+pt	NA	Perm	pm+pt	NA	Perm	pm+pt	NA	pm+pt	NA	Perm
Protected Phases	5	2		1	6		3	8	7	4	
Permitted Phases	2		2	6		6	8		4		4
Detector Phase	5	2	2	1	6	6	3	8	7	4	4
Switch Phase											
Minimum Initial (s)	6.0	15.0	15.0	6.0	15.0	15.0	6.0	8.0	6.0	8.0	8.0
Minimum Split (s)	13.1	25.1	25.1	13.1	25.1	25.1	13.3	25.3	13.3	25.3	25.3
Total Split (s)	29.0	68.0	68.0	17.0	56.0	56.0	17.0	32.0	33.0	48.0	48.0
Total Split (%)	19.3%	45.3%	45.3%	11.3%	37.3%	37.3%	11.3%	21.3%	22.0%	32.0%	32.0%
Yellow Time (s)	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
All-Red Time (s)	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.4	2.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	7.1	7.1	7.1	7.1	7.1	7.1	7.3	7.3	7.3	7.3	7.3
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	C-Max	C-Max	None	C-Max	C-Max	None	None	None	None	None

Intersection Summary

Cycle Length: 150

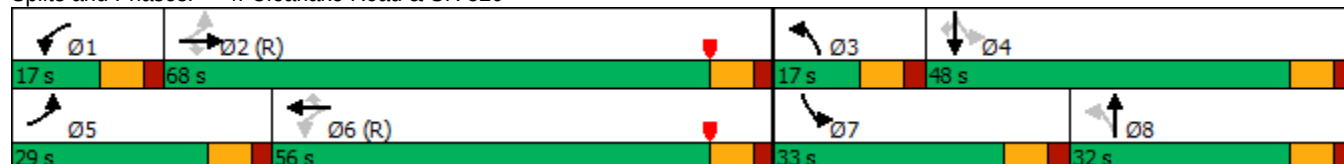
Actuated Cycle Length: 150

Offset: 114 (76%), Referenced to phase 2:EBTL and 6:WBTL, Start of Yellow

Natural Cycle: 80

Control Type: Actuated-Coordinated

Splits and Phases: 4: Clearlake Road & SR 520



HCM 6th Signalized Intersection Summary

4: Clearlake Road & SR 520

Buildout
AM Peak

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	169	683	60	31	431	73	51	147	27	151	144	184
Future Volume (veh/h)	169	683	60	31	431	73	51	147	27	151	144	184
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	0.97	1.00	1.00	0.99	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1796	1826	1826	1767	1781	1856	1796	1826	1841	1781	1826	1811
Adj Flow Rate, veh/h	178	719	63	33	454	77	54	155	28	159	152	194
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	7	5	5	9	8	3	7	5	4	8	5	6
Cap, veh/h	540	1959	849	393	1801	827	212	178	32	229	322	271
Arrive On Green	0.06	0.56	0.56	0.03	0.53	0.53	0.04	0.12	0.12	0.10	0.18	0.18
Sat Flow, veh/h	1711	3469	1504	1682	3385	1554	1711	1505	272	1697	1826	1535
Grp Volume(v), veh/h	178	719	63	33	454	77	54	0	183	159	152	194
Grp Sat Flow(s),veh/h/ln	1711	1735	1504	1682	1692	1554	1711	0	1777	1697	1826	1535
Q Serve(g_s), s	7.1	17.1	2.9	1.3	10.9	3.7	4.1	0.0	15.2	12.0	11.2	17.9
Cycle Q Clear(g_c), s	7.1	17.1	2.9	1.3	10.9	3.7	4.1	0.0	15.2	12.0	11.2	17.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.15	1.00		1.00
Lane Grp Cap(c), veh/h	540	1959	849	393	1801	827	212	0	210	229	322	271
V/C Ratio(X)	0.33	0.37	0.07	0.08	0.25	0.09	0.25	0.00	0.87	0.69	0.47	0.72
Avail Cap(c_a), veh/h	683	1959	849	453	1801	827	260	0	293	358	495	416
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	14.3	17.9	14.8	15.2	19.0	17.3	55.3	0.0	65.0	50.6	55.5	58.2
Incr Delay (d2), s/veh	0.4	0.5	0.2	0.1	0.3	0.2	0.6	0.0	18.3	3.8	1.1	3.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.6	6.5	1.0	0.5	4.2	1.4	1.8	0.0	8.0	5.4	5.3	7.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	14.6	18.5	15.0	15.3	19.3	17.5	56.0	0.0	83.3	54.4	56.5	61.7
LnGrp LOS	B	B	B	B	B	B	E	A	F	D	E	E
Approach Vol, veh/h	960			564			237			505		
Approach Delay, s/veh	17.5			18.8			77.1			57.9		
Approach LOS	B			B			E			E		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	11.6	91.8	12.8	33.8	16.5	86.9	21.6	25.0				
Change Period (Y+Rc), s	* 7.1	* 7.1	7.3	7.3	* 7.1	* 7.1	7.3	7.3				
Max Green Setting (Gmax), s	* 9.9	* 61	9.7	40.7	* 22	* 49	25.7	24.7				
Max Q Clear Time (g_c+I1), s	3.3	19.1	6.1	19.9	9.1	12.9	14.0	17.2				
Green Ext Time (p_c), s	0.0	4.9	0.0	1.5	0.3	3.0	0.3	0.5				
Intersection Summary												
HCM 6th Ctrl Delay	33.1											
HCM 6th LOS	C											
Notes												

Timings 5: Range Road & SR 520

Buildout
AM Peak

									
Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	SBL	SBT
Lane Configurations									
Traffic Volume (vph)	121	832	25	546	40	77	33	88	52
Future Volume (vph)	121	832	25	546	40	77	33	88	52
Turn Type	pm+pt	NA	pm+pt	NA	Perm	Perm	NA	Perm	NA
Protected Phases	1	6	5	2			4		8
Permitted Phases	6		2		2	4		8	
Detector Phase	1	6	5	2	2	4	4	8	8
Switch Phase									
Minimum Initial (s)	6.0	12.0	6.0	12.0	12.0	6.0	6.0	6.0	6.0
Minimum Split (s)	13.5	25.5	13.5	25.5	25.5	12.5	12.5	24.5	24.5
Total Split (s)	25.0	45.0	25.0	45.0	45.0	30.0	30.0	30.0	30.0
Total Split (%)	25.0%	45.0%	25.0%	45.0%	45.0%	30.0%	30.0%	30.0%	30.0%
Yellow Time (s)	5.5	5.5	5.5	5.5	5.5	4.0	4.0	4.0	4.0
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	7.5	7.5	7.5	7.5	7.5		6.5		6.5
Lead/Lag	Lead	Lag	Lead	Lag	Lag				
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes				
Recall Mode	None	Max	None	Max	Max	None	None	None	None

Intersection Summary

Cycle Length: 100

Actuated Cycle Length: 83.7

Natural Cycle: 65

Control Type: Actuated-Uncoordinated

Splits and Phases: 5: Range Road & SR 520

 Ø1	 Ø2	 Ø4
25 s	45 s	30 s
 Ø5	 Ø6	 Ø8
25 s	45 s	30 s

HCM 6th Signalized Intersection Summary 5: Range Road & SR 520

Buildout
AM Peak

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	121	832	72	25	546	40	77	33	21	88	52	44
Future Volume (veh/h)	121	832	72	25	546	40	77	33	21	88	52	44
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1826	1826	1811	1900	1885	1826	1722	1811	1411	1707	1841	1826
Adj Flow Rate, veh/h	127	876	76	26	575	42	81	35	22	93	55	46
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	5	5	6	0	1	5	12	6	33	13	4	5
Cap, veh/h	533	1719	149	369	1762	761	184	74	35	173	81	57
Arrive On Green	0.07	0.53	0.53	0.03	0.49	0.49	0.15	0.15	0.15	0.15	0.15	0.15
Sat Flow, veh/h	1739	3230	280	1810	3582	1547	713	486	227	678	530	376
Grp Volume(v), veh/h	127	470	482	26	575	42	138	0	0	194	0	0
Grp Sat Flow(s),veh/h/ln	1739	1735	1775	1810	1791	1547	1427	0	0	1584	0	0
Q Serve(g_s), s	2.6	13.3	13.3	0.5	7.4	1.1	0.0	0.0	0.0	2.1	0.0	0.0
Cycle Q Clear(g_c), s	2.6	13.3	13.3	0.5	7.4	1.1	6.8	0.0	0.0	8.8	0.0	0.0
Prop In Lane	1.00		0.16	1.00		1.00	0.59		0.16	0.48		0.24
Lane Grp Cap(c), veh/h	533	923	945	369	1762	761	293	0	0	311	0	0
V/C Ratio(X)	0.24	0.51	0.51	0.07	0.33	0.06	0.47	0.00	0.00	0.62	0.00	0.00
Avail Cap(c_a), veh/h	804	923	945	724	1762	761	511	0	0	545	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	8.2	11.4	11.4	9.4	11.7	10.1	30.1	0.0	0.0	31.0	0.0	0.0
Incr Delay (d2), s/veh	0.2	2.0	2.0	0.1	0.5	0.1	1.2	0.0	0.0	2.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	4.3	4.4	0.2	2.4	0.3	2.4	0.0	0.0	3.4	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	8.4	13.5	13.4	9.5	12.2	10.2	31.3	0.0	0.0	33.1	0.0	0.0
LnGrp LOS	A	B	B	A	B	B	C	A	A	C	A	A
Approach Vol, veh/h	1079				643				138		194	
Approach Delay, s/veh	12.8				12.0				31.3		33.1	
Approach LOS	B				B				C		C	
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	13.1	45.0		18.1	10.0	48.1		18.1				
Change Period (Y+Rc), s	7.5	7.5		6.5	7.5	7.5		6.5				
Max Green Setting (Gmax), s	17.5	37.5		23.5	17.5	37.5		23.5				
Max Q Clear Time (g_c+l1), s	4.6	9.4		8.8	2.5	15.3		10.8				
Green Ext Time (p_c), s	0.2	3.6		0.6	0.0	5.3		0.8				
Intersection Summary												
HCM 6th Ctrl Delay	15.7											
HCM 6th LOS	B											

HCM 6th TWSC 6: Pluckebaum Road & Project Driveway

Buildout
AM Peak

Intersection						
Int Delay, s/veh	2.1					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	6	243	202	23	70	19
Future Vol, veh/h	6	243	202	23	70	19
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	7	264	220	25	76	21
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	245	0	-	0	511	233
Stage 1	-	-	-	-	233	-
Stage 2	-	-	-	-	278	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1321	-	-	-	523	806
Stage 1	-	-	-	-	806	-
Stage 2	-	-	-	-	769	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1321	-	-	-	520	806
Mov Cap-2 Maneuver	-	-	-	-	520	-
Stage 1	-	-	-	-	801	-
Stage 2	-	-	-	-	769	-
Approach	EB	WB		SB		
HCM Control Delay, s	0.2	0		12.7		
HCM LOS				B		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1321	-	-	-	563	
HCM Lane V/C Ratio	0.005	-	-	-	0.172	
HCM Control Delay (s)	7.7	0	-	-	12.7	
HCM Lane LOS	A	A	-	-	B	
HCM 95th %tile Q(veh)	0	-	-	-	0.6	

HCM 6th TWSC
7: Clearlake Road & Project Driveway

Buildout
AM Peak

Intersection						
Int Delay, s/veh	0.8					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	23	6	2	143	207	11
Future Vol, veh/h	23	6	2	143	207	11
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	25	7	2	155	225	12
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	390	231	237	0	-	0
Stage 1	231	-	-	-	-	-
Stage 2	159	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	614	808	1330	-	-	-
Stage 1	807	-	-	-	-	-
Stage 2	870	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	613	808	1330	-	-	-
Mov Cap-2 Maneuver	613	-	-	-	-	-
Stage 1	805	-	-	-	-	-
Stage 2	870	-	-	-	-	-
Approach	EB	NB		SB		
HCM Control Delay, s	10.9	0.1		0		
HCM LOS	B					
Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR	
Capacity (veh/h)	1330	-	645	-	-	
HCM Lane V/C Ratio	0.002	-	0.049	-	-	
HCM Control Delay (s)	7.7	0	10.9	-	-	
HCM Lane LOS	A	A	B	-	-	
HCM 95th %tile Q(veh)	0	-	0.2	-	-	

HCM 6th TWSC
1: Pluckebaum Road & Range Road

Buildout
PM Peak Hour

Intersection

Int Delay, s/veh 2.7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	4	105	123	94	87	15
Future Vol, veh/h	4	105	123	94	87	15
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	91	91	91	91	91	91
Heavy Vehicles, %	0	2	1	4	6	8
Mvmt Flow	4	115	135	103	96	16

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	238	0	0 310 187
Stage 1	-	-	- 187 -
Stage 2	-	-	- 123 -
Critical Hdwy	4.1	-	- 6.46 6.28
Critical Hdwy Stg 1	-	-	- 5.46 -
Critical Hdwy Stg 2	-	-	- 5.46 -
Follow-up Hdwy	2.2	-	- 3.554 3.372
Pot Cap-1 Maneuver	1341	-	- 674 840
Stage 1	-	-	- 835 -
Stage 2	-	-	- 893 -
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	1341	-	- 672 840
Mov Cap-2 Maneuver	-	-	- 672 -
Stage 1	-	-	- 832 -
Stage 2	-	-	- 893 -

Approach	EB	WB	SB
HCM Control Delay, s	0.3	0	11.2
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1341	-	-	-	692
HCM Lane V/C Ratio	0.003	-	-	-	0.162
HCM Control Delay (s)	7.7	0	-	-	11.2
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0.6

HCM 6th TWSC 2: Pluckebaum Road & Clearlake Road

Buildout
PM Peak Hour

Intersection						
Int Delay, s/veh	5.2					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	28	209	305	161	204	27
Future Vol, veh/h	28	209	305	161	204	27
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	195	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	0	2	2	0	2	0
Mvmt Flow	29	218	318	168	213	28
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	486	0	-	0	594	318
Stage 1	-	-	-	-	318	-
Stage 2	-	-	-	-	276	-
Critical Hdwy	4.1	-	-	-	6.42	6.2
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.2	-	-	-	3.518	3.3
Pot Cap-1 Maneuver	1087	-	-	-	468	727
Stage 1	-	-	-	-	738	-
Stage 2	-	-	-	-	771	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1087	-	-	-	454	727
Mov Cap-2 Maneuver	-	-	-	-	454	-
Stage 1	-	-	-	-	716	-
Stage 2	-	-	-	-	771	-
Approach	EB	WB		SB		
HCM Control Delay, s	1	0		20.1		
HCM LOS				C		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1087	-	-	-	475	
HCM Lane V/C Ratio	0.027	-	-	-	0.507	
HCM Control Delay (s)	8.4	0	-	-	20.1	
HCM Lane LOS	A	A	-	-	C	
HCM 95th %tile Q(veh)	0.1	-	-	-	2.8	

Timings 3: Fiske Boulevard & Pluckebaum Road

Buildout
PM Peak Hour

					
Lane Group	EBL	EBR	NBL	NBT	SBT
Lane Configurations					
Traffic Volume (vph)	52	356	396	879	889
Future Volume (vph)	52	356	396	879	889
Turn Type	Prot	Perm	pm+pt	NA	NA
Protected Phases	4		1	6	2
Permitted Phases		4	6		
Detector Phase	4	4	1	6	2
Switch Phase					
Minimum Initial (s)	6.0	6.0	6.0	15.0	15.0
Minimum Split (s)	23.6	23.6	12.4	24.4	24.4
Total Split (s)	38.0	38.0	30.0	102.0	72.0
Total Split (%)	27.1%	27.1%	21.4%	72.9%	51.4%
Yellow Time (s)	3.4	3.4	4.4	4.4	4.4
All-Red Time (s)	2.2	2.2	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.6	5.6	6.4	6.4	6.4
Lead/Lag			Lead		Lag
Lead-Lag Optimize?			Yes		Yes
Recall Mode	None	None	None	C-Max	C-Max

Intersection Summary

Cycle Length: 140

Actuated Cycle Length: 140

Offset: 74.6 (53%), Referenced to phase 2:SBT and 6:NBTL, Start of Yellow

Natural Cycle: 90

Control Type: Actuated-Coordinated

Splits and Phases: 3: Fiske Boulevard & Pluckebaum Road



HCM 6th Signalized Intersection Summary 3: Fiske Boulevard & Pluckebaum Road

Buildout
PM Peak Hour



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	52	356	396	879	889	83
Future Volume (veh/h)	52	356	396	879	889	83
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1900	1885	1870	1885	1870	1900
Adj Flow Rate, veh/h	57	387	430	955	966	90
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	0	1	2	1	2	0
Cap, veh/h	419	370	455	2446	1632	152
Arrive On Green	0.23	0.23	0.14	0.68	0.50	0.50
Sat Flow, veh/h	1810	1598	1781	3676	3380	306
Grp Volume(v), veh/h	57	387	430	955	522	534
Grp Sat Flow(s),veh/h/ln	1810	1598	1781	1791	1777	1815
Q Serve(g_s), s	3.5	32.4	17.1	16.1	29.3	29.4
Cycle Q Clear(g_c), s	3.5	32.4	17.1	16.1	29.3	29.4
Prop In Lane	1.00	1.00	1.00			0.17
Lane Grp Cap(c), veh/h	419	370	455	2446	882	901
V/C Ratio(X)	0.14	1.05	0.94	0.39	0.59	0.59
Avail Cap(c_a), veh/h	419	370	505	2446	882	901
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	42.7	53.8	24.6	9.6	25.1	25.1
Incr Delay (d2), s/veh	0.1	59.5	25.6	0.5	2.9	2.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	18.9	10.4	6.0	12.7	13.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	42.8	113.3	50.1	10.1	28.0	28.0
LnGrp LOS	D	F	D	B	C	C
Approach Vol, veh/h	444			1385	1056	
Approach Delay, s/veh	104.3			22.5	28.0	
Approach LOS	F			C	C	
Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	26.1	75.9		38.0		102.0
Change Period (Y+Rc), s	6.4	6.4		* 5.6		6.4
Max Green Setting (Gmax), s	23.6	65.6		* 32		95.6
Max Q Clear Time (g_c+l1), s	19.1	31.4		34.4		18.1
Green Ext Time (p_c), s	0.6	7.7		0.0		8.0

Intersection Summary

HCM 6th Ctrl Delay	37.1
HCM 6th LOS	D

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Timings 4: Clearlake Road & SR 520

Buildout
PM Peak Hour

											
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	SBL	SBT	SBR
Lane Configurations											
Traffic Volume (vph)	261	619	95	41	578	135	65	171	194	224	225
Future Volume (vph)	261	619	95	41	578	135	65	171	194	224	225
Turn Type	pm+pt	NA	Perm	pm+pt	NA	Perm	pm+pt	NA	pm+pt	NA	Perm
Protected Phases	5	2		1	6		3	8	7	4	
Permitted Phases	2		2	6		6	8		4		4
Detector Phase	5	2	2	1	6	6	3	8	7	4	4
Switch Phase											
Minimum Initial (s)	6.0	15.0	15.0	6.0	15.0	15.0	6.0	8.0	6.0	8.0	8.0
Minimum Split (s)	13.1	25.1	25.1	13.1	25.1	25.1	13.3	25.3	13.3	25.3	25.3
Total Split (s)	34.0	76.0	76.0	17.0	59.0	59.0	17.0	33.0	34.0	50.0	50.0
Total Split (%)	21.3%	47.5%	47.5%	10.6%	36.9%	36.9%	10.6%	20.6%	21.3%	31.3%	31.3%
Yellow Time (s)	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
All-Red Time (s)	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.4	2.4
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	7.1	7.1	7.1	7.1	7.1	7.1	7.3	7.3	7.3	7.3	7.3
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recall Mode	None	C-Max	C-Max	None	C-Max	C-Max	None	None	None	None	None

Intersection Summary

Cycle Length: 160

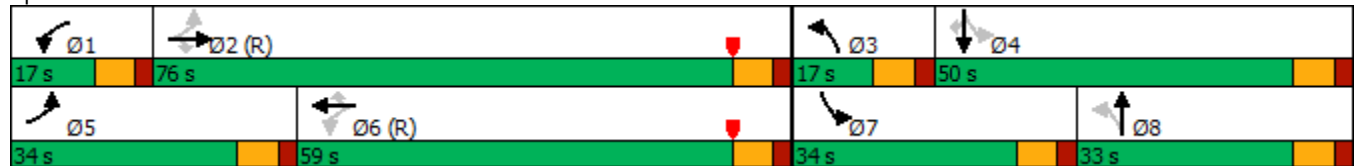
Actuated Cycle Length: 160

Offset: 118 (74%), Referenced to phase 2:EBTL and 6:WBTL, Start of Yellow

Natural Cycle: 80

Control Type: Actuated-Coordinated

Splits and Phases: 4: Clearlake Road & SR 520



HCM 6th Signalized Intersection Summary

4: Clearlake Road & SR 520

Buildout
PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	261	619	95	41	578	135	65	171	30	194	224	225
Future Volume (veh/h)	261	619	95	41	578	135	65	171	30	194	224	225
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1885	1856	1856	1856	1841	1870	1826	1885	1900	1870	1870	1841
Adj Flow Rate, veh/h	264	625	96	41	584	136	66	173	30	196	226	227
Peak Hour Factor	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Percent Heavy Veh, %	1	3	3	3	4	2	5	1	0	2	2	4
Cap, veh/h	495	1960	874	435	1756	796	192	195	34	256	355	296
Arrive On Green	0.09	0.56	0.56	0.03	0.50	0.50	0.04	0.12	0.12	0.11	0.19	0.19
Sat Flow, veh/h	1795	3526	1572	1767	3497	1585	1739	1565	271	1781	1870	1560
Grp Volume(v), veh/h	264	625	96	41	584	136	66	0	203	196	226	227
Grp Sat Flow(s),veh/h/ln	1795	1763	1572	1767	1749	1585	1739	0	1836	1781	1870	1560
Q Serve(g_s), s	11.0	15.3	4.6	1.8	16.0	7.5	5.3	0.0	17.4	14.9	17.8	22.1
Cycle Q Clear(g_c), s	11.0	15.3	4.6	1.8	16.0	7.5	5.3	0.0	17.4	14.9	17.8	22.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.15	1.00		1.00
Lane Grp Cap(c), veh/h	495	1960	874	435	1756	796	192	0	229	256	355	296
V/C Ratio(X)	0.53	0.32	0.11	0.09	0.33	0.17	0.34	0.00	0.89	0.77	0.64	0.77
Avail Cap(c_a), veh/h	644	1960	874	488	1756	796	222	0	295	361	499	416
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	16.6	19.2	16.8	18.0	23.8	21.7	57.8	0.0	68.9	52.6	59.8	61.5
Incr Delay (d2), s/veh	0.9	0.4	0.3	0.1	0.5	0.5	1.1	0.0	22.1	6.1	1.9	5.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.4	6.1	1.8	0.7	6.5	3.0	2.4	0.0	9.6	7.2	8.7	9.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	17.5	19.6	17.1	18.1	24.3	22.2	58.9	0.0	91.0	58.7	61.7	67.0
LnGrp LOS	B	B	B	B	C	C	E	A	F	E	E	E
Approach Vol, veh/h	985			761			269			649		
Approach Delay, s/veh	18.8			23.6			83.1			62.6		
Approach LOS	B			C			F			E		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	12.1	96.0	14.2	37.6	20.7	87.4	24.6	27.2				
Change Period (Y+Rc), s	* 7.1	* 7.1	7.3	7.3	* 7.1	* 7.1	7.3	7.3				
Max Green Setting (Gmax), s	* 9.9	* 69	9.7	42.7	* 27	* 52	26.7	25.7				
Max Q Clear Time (g_c+I1), s	3.8	17.3	7.3	24.1	13.0	18.0	16.9	19.4				
Green Ext Time (p_c), s	0.0	4.3	0.0	2.0	0.6	4.1	0.4	0.5				
Intersection Summary												
HCM 6th Ctrl Delay			37.3									
HCM 6th LOS			D									
Notes												

Timings 5: Range Road & SR 520

Buildout
PM Peak Hour

									
Lane Group	EBL	EBT	WBL	WBT	WBR	NBL	NBT	SBL	SBT
Lane Configurations									
Traffic Volume (vph)	138	851	24	835	83	82	39	61	24
Future Volume (vph)	138	851	24	835	83	82	39	61	24
Turn Type	pm+pt	NA	pm+pt	NA	Perm	Perm	NA	Perm	NA
Protected Phases	1	6	5	2			4		8
Permitted Phases	6		2		2	4		8	
Detector Phase	1	6	5	2	2	4	4	8	8
Switch Phase									
Minimum Initial (s)	6.0	12.0	6.0	12.0	12.0	6.0	6.0	6.0	6.0
Minimum Split (s)	13.5	25.5	13.5	25.5	25.5	24.5	24.5	24.5	24.5
Total Split (s)	25.0	45.0	25.0	45.0	45.0	30.0	30.0	30.0	30.0
Total Split (%)	25.0%	45.0%	25.0%	45.0%	45.0%	30.0%	30.0%	30.0%	30.0%
Yellow Time (s)	5.5	5.5	5.5	5.5	5.5	4.0	4.0	4.0	4.0
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		0.0		0.0
Total Lost Time (s)	7.5	7.5	7.5	7.5	7.5		6.5		6.5
Lead/Lag	Lead	Lag	Lead	Lag	Lag				
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes				
Recall Mode	None	Max	None	Max	Max	None	None	None	None

Intersection Summary

Cycle Length: 100

Actuated Cycle Length: 82.1

Natural Cycle: 65

Control Type: Actuated-Uncoordinated

Splits and Phases: 5: Range Road & SR 520

 Ø1	 Ø2	 Ø4
25 s	45 s	30 s
 Ø5	 Ø6	 Ø8
25 s	45 s	30 s

HCM 6th Signalized Intersection Summary

5: Range Road & SR 520

Buildout
PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	138	851	79	24	835	83	82	39	22	61	24	75
Future Volume (veh/h)	138	851	79	24	835	83	82	39	22	61	24	75
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1781	1856	1678	1811	1870	1811	1900	1826	1737	1796	1900	1841
Adj Flow Rate, veh/h	145	896	83	25	879	87	86	41	23	64	25	79
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	8	3	15	6	2	6	0	5	11	7	0	4
Cap, veh/h	414	1783	165	361	1786	771	175	65	30	137	47	104
Arrive On Green	0.08	0.55	0.55	0.03	0.50	0.50	0.13	0.13	0.13	0.13	0.13	0.13
Sat Flow, veh/h	1697	3262	302	1725	3554	1535	750	490	225	532	353	785
Grp Volume(v), veh/h	145	484	495	25	879	87	150	0	0	168	0	0
Grp Sat Flow(s),veh/h/ln	1697	1763	1801	1725	1777	1535	1464	0	0	1669	0	0
Q Serve(g_s), s	2.9	12.8	12.8	0.5	12.2	2.2	0.3	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	2.9	12.8	12.8	0.5	12.2	2.2	7.3	0.0	0.0	7.0	0.0	0.0
Prop In Lane	1.00		0.17	1.00		1.00	0.57		0.15	0.38		0.47
Lane Grp Cap(c), veh/h	414	963	984	361	1786	771	270	0	0	288	0	0
V/C Ratio(X)	0.35	0.50	0.50	0.07	0.49	0.11	0.56	0.00	0.00	0.58	0.00	0.00
Avail Cap(c_a), veh/h	682	963	984	710	1786	771	529	0	0	568	0	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00
Uniform Delay (d), s/veh	8.6	10.6	10.6	8.8	12.3	9.8	31.1	0.0	0.0	31.1	0.0	0.0
Incr Delay (d2), s/veh	0.5	1.9	1.8	0.1	1.0	0.3	1.8	0.0	0.0	1.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	4.1	4.2	0.1	3.9	0.6	2.6	0.0	0.0	2.9	0.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	9.1	12.4	12.4	8.9	13.2	10.1	32.9	0.0	0.0	33.0	0.0	0.0
LnGrp LOS	A	B	B	A	B	B	C	A	A	C	A	A
Approach Vol, veh/h	1124				991				150			
Approach Delay, s/veh	12.0				12.8				32.9			
Approach LOS	B				B				C			
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	13.2	45.0		16.4	9.9	48.3		16.4				
Change Period (Y+Rc), s	7.5	7.5		6.5	7.5	7.5		6.5				
Max Green Setting (Gmax), s	17.5	37.5		23.5	17.5	37.5		23.5				
Max Q Clear Time (g_c+l1), s	4.9	14.2		9.3	2.5	14.8		9.0				
Green Ext Time (p_c), s	0.3	5.8		0.6	0.0	5.6		0.7				
Intersection Summary												
HCM 6th Ctrl Delay	15.1											
HCM 6th LOS	B											

HCM 6th TWSC 6: Pluckebaum Road & Project Driveway

Buildout
PM Peak Hour

Intersection						
Int Delay, s/veh	1.5					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	20	193	264	68	43	12
Future Vol, veh/h	20	193	264	68	43	12
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	22	210	287	74	47	13
Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	361	0	-	0	578	324
Stage 1	-	-	-	-	324	-
Stage 2	-	-	-	-	254	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1198	-	-	-	478	717
Stage 1	-	-	-	-	733	-
Stage 2	-	-	-	-	788	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1198	-	-	-	468	717
Mov Cap-2 Maneuver	-	-	-	-	468	-
Stage 1	-	-	-	-	718	-
Stage 2	-	-	-	-	788	-
Approach	EB	WB		SB		
HCM Control Delay, s	0.8	0		13.1		
HCM LOS				B		
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1198	-	-	-	506	
HCM Lane V/C Ratio	0.018	-	-	-	0.118	
HCM Control Delay (s)	8.1	0	-	-	13.1	
HCM Lane LOS	A	A	-	-	B	
HCM 95th %tile Q(veh)	0.1	-	-	-	0.4	

HCM 6th TWSC 7: Clearlake Road & Project Driveway

Buildout
PM Peak Hour

Intersection						
Int Delay, s/veh	0.6					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	15	4	7	181	227	30
Future Vol, veh/h	15	4	7	181	227	30
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	16	4	8	197	247	33
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	477	264	280	0	-	0
Stage 1	264	-	-	-	-	-
Stage 2	213	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	547	775	1283	-	-	-
Stage 1	780	-	-	-	-	-
Stage 2	823	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	543	775	1283	-	-	-
Mov Cap-2 Maneuver	543	-	-	-	-	-
Stage 1	775	-	-	-	-	-
Stage 2	823	-	-	-	-	-
Approach	EB	NB		SB		
HCM Control Delay, s	11.4	0.3		0		
HCM LOS	B					
Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR	
Capacity (veh/h)	1283	-	580	-	-	
HCM Lane V/C Ratio	0.006	-	0.036	-	-	
HCM Control Delay (s)	7.8	0	11.4	-	-	
HCM Lane LOS	A	A	B	-	-	
HCM 95th %tile Q(veh)	0	-	0.1	-	-	

Timings 3: Fiske Boulevard & Pluckebaum Road

Buildout with Improvement

AM Peak Hour

					
Lane Group	EBL	EBR	NBL	NBT	SBT
Lane Configurations					
Traffic Volume (vph)	96	395	266	873	787
Future Volume (vph)	96	395	266	873	787
Turn Type	Prot	Perm	pm+pt	NA	NA
Protected Phases	4		1	6	2
Permitted Phases		4	6		
Detector Phase	4	4	1	6	2
Switch Phase					
Minimum Initial (s)	6.0	6.0	6.0	15.0	15.0
Minimum Split (s)	23.6	23.6	12.4	24.4	24.4
Total Split (s)	41.0	41.0	30.0	89.0	59.0
Total Split (%)	31.5%	31.5%	23.1%	68.5%	45.4%
Yellow Time (s)	3.4	3.4	4.4	4.4	4.4
All-Red Time (s)	2.2	2.2	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.6	5.6	6.4	6.4	6.4
Lead/Lag			Lead		Lag
Lead-Lag Optimize?			Yes		Yes
Recall Mode	None	None	None	C-Max	C-Max

Intersection Summary

Cycle Length: 130

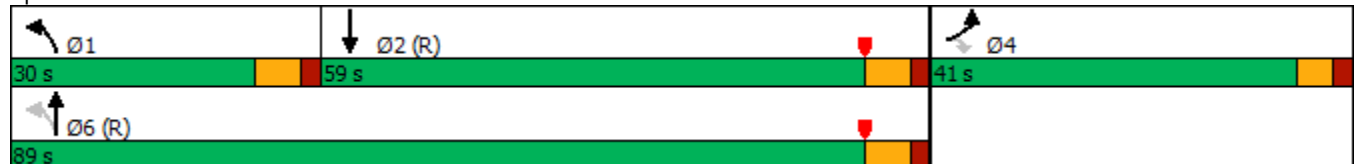
Actuated Cycle Length: 130

Offset: 34 (26%), Referenced to phase 2:SBT and 6:NBT, Start of Yellow

Natural Cycle: 65

Control Type: Actuated-Coordinated

Splits and Phases: 3: Fiske Boulevard & Pluckebaum Road



HCM 6th Signalized Intersection Summary

3: Fiske Boulevard & Pluckebaum Road

Buildout with Improvement
AM Peak Hour

						
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	96	395	266	873	787	41
Future Volume (veh/h)	96	395	266	873	787	41
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1870	1841	1856	1870	1826	1693
Adj Flow Rate, veh/h	100	411	277	909	820	43
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	2	4	3	2	5	14
Cap, veh/h	485	425	430	2258	1650	86
Arrive On Green	0.27	0.27	0.09	0.64	0.49	0.49
Sat Flow, veh/h	1781	1560	1767	3647	3444	176
Grp Volume(v), veh/h	100	411	277	909	424	439
Grp Sat Flow(s),veh/h/ln	1781	1560	1767	1777	1735	1794
Q Serve(g_s), s	5.6	33.8	9.6	16.3	21.4	21.4
Cycle Q Clear(g_c), s	5.6	33.8	9.6	16.3	21.4	21.4
Prop In Lane	1.00	1.00	1.00			0.10
Lane Grp Cap(c), veh/h	485	425	430	2258	853	883
V/C Ratio(X)	0.21	0.97	0.64	0.40	0.50	0.50
Avail Cap(c_a), veh/h	485	425	584	2258	853	883
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	36.5	46.7	16.0	11.6	22.2	22.2
Incr Delay (d2), s/veh	0.2	35.2	1.6	0.5	2.1	2.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.5	16.9	3.8	6.2	8.9	9.2
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	36.7	81.9	17.6	12.1	24.3	24.2
LnGrp LOS	D	F	B	B	C	C
Approach Vol, veh/h	511			1186	863	
Approach Delay, s/veh	73.1			13.4	24.2	
Approach LOS	E			B	C	
Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	18.6	70.4		41.0		89.0
Change Period (Y+Rc), s	6.4	6.4		* 5.6		6.4
Max Green Setting (Gmax), s	23.6	52.6		* 35		82.6
Max Q Clear Time (g_c+I1), s	11.6	23.4		35.8		18.3
Green Ext Time (p_c), s	0.6	5.6		0.0		7.4
Intersection Summary						
HCM 6th Ctrl Delay			29.0			
HCM 6th LOS			C			
Notes						

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

Timings

Buildout with Improvement

3: Fiske Boulevard & Pluckebaum Road

PM Peak Hour

					
Lane Group	EBL	EBR	NBL	NBT	SBT
Lane Configurations					
Traffic Volume (vph)	52	356	396	879	889
Future Volume (vph)	52	356	396	879	889
Turn Type	Prot	Perm	pm+pt	NA	NA
Protected Phases	4		1	6	2
Permitted Phases		4	6		
Detector Phase	4	4	1	6	2
Switch Phase					
Minimum Initial (s)	6.0	6.0	6.0	15.0	15.0
Minimum Split (s)	34.6	34.6	12.4	24.4	35.4
Total Split (s)	40.0	40.0	30.0	100.0	70.0
Total Split (%)	28.6%	28.6%	21.4%	71.4%	50.0%
Yellow Time (s)	3.4	3.4	4.4	4.4	4.4
All-Red Time (s)	2.2	2.2	2.0	2.0	2.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	5.6	5.6	6.4	6.4	6.4
Lead/Lag			Lag		Lead
Lead-Lag Optimize?			Yes		Yes
Recall Mode	None	None	None	C-Max	C-Max

Intersection Summary

Cycle Length: 140

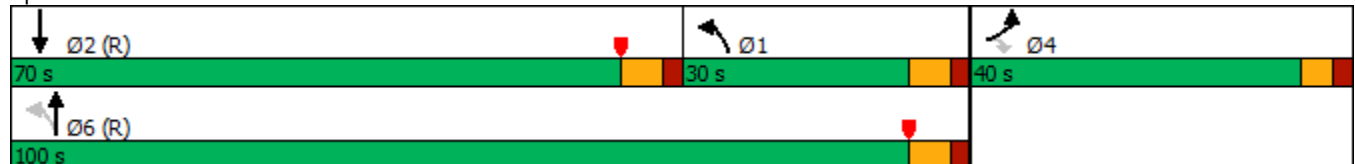
Actuated Cycle Length: 140

Offset: 104.6 (75%), Referenced to phase 2:SBT and 6:NBTL, Start of Yellow

Natural Cycle: 95

Control Type: Actuated-Coordinated

Splits and Phases: 3: Fiske Boulevard & Pluckebaum Road



HCM 6th Signalized Intersection Summary

3: Fiske Boulevard & Pluckebaum Road

Buildout with Improvement
PM Peak Hour

						
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (veh/h)	52	356	396	879	889	83
Future Volume (veh/h)	52	356	396	879	889	83
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No			No	No	
Adj Sat Flow, veh/h/ln	1900	1885	1870	1885	1870	1900
Adj Flow Rate, veh/h	57	387	430	955	966	90
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	0	1	2	1	2	0
Cap, veh/h	445	393	465	2395	1493	139
Arrive On Green	0.25	0.25	0.17	0.67	0.45	0.45
Sat Flow, veh/h	1810	1598	1781	3676	3380	306
Grp Volume(v), veh/h	57	387	430	955	522	534
Grp Sat Flow(s),veh/h/ln	1810	1598	1781	1791	1777	1815
Q Serve(g_s), s	3.4	33.8	19.9	16.9	31.8	31.8
Cycle Q Clear(g_c), s	3.4	33.8	19.9	16.9	31.8	31.8
Prop In Lane	1.00	1.00	1.00			0.17
Lane Grp Cap(c), veh/h	445	393	465	2395	807	825
V/C Ratio(X)	0.13	0.99	0.92	0.40	0.65	0.65
Avail Cap(c_a), veh/h	445	393	465	2395	807	825
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	41.1	52.6	48.9	10.5	29.5	29.5
Incr Delay (d2), s/veh	0.1	41.5	24.2	0.5	4.0	3.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	17.8	16.9	6.4	14.1	14.4
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	41.3	94.1	73.1	11.0	33.5	33.4
LnGrp LOS	D	F	E	B	C	C
Approach Vol, veh/h	444			1385	1056	
Approach Delay, s/veh	87.3			30.3	33.5	
Approach LOS	F			C	C	
Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	30.0	70.0		40.0		100.0
Change Period (Y+Rc), s	6.4	6.4		* 5.6		6.4
Max Green Setting (Gmax), s	23.6	63.6		* 34		93.6
Max Q Clear Time (g_c+l1), s	21.9	33.8		35.8		18.9
Green Ext Time (p_c), s	0.3	9.2		0.0		8.0
Intersection Summary						
HCM 6th Ctrl Delay			40.2			
HCM 6th LOS			D			
Notes						

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

APPENDIX H

ITE Excerpts

Land Use: 210

Single-Family Detached Housing

Description

A single-family detached housing site includes any single-family detached home on an individual lot. A typical site surveyed is a suburban subdivision.

Specialized Land Use

Data have been submitted for several single-family detached housing developments with homes that are commonly referred to as patio homes. A patio home is a detached housing unit that is located on a small lot with little (or no) front or back yard. In some subdivisions, communal maintenance of outside grounds is provided for the patio homes. The three patio home sites total 299 dwelling units with overall weighted average trip generation rates of 5.35 vehicle trips per dwelling unit for weekday, 0.26 for the AM adjacent street peak hour, and 0.47 for the PM adjacent street peak hour. These patio home rates based on a small sample of sites are lower than those for single-family detached housing (Land Use 210), lower than those for single-family attached housing (Land Use 251), and higher than those for senior adult housing -- single-family (Land Use 251). Further analysis of this housing type will be conducted in a future edition of *Trip Generation Manual*.

Additional Data

The technical appendices provide supporting information on time-of-day distributions for this land use. The appendices can be accessed through either the ITETripGen web app or the trip generation resource page on the ITE website (<https://www.ite.org/technical-resources/topics/trip-and-parking-generation/>).

For 30 of the study sites, data on the number of residents and number of household vehicles are available. The overall averages for the 30 sites are 3.6 residents per dwelling unit and 1.5 vehicles per dwelling unit.

The sites were surveyed in the 1980s, the 1990s, the 2000s, and the 2010s in Arizona, California, Connecticut, Delaware, Illinois, Indiana, Kentucky, Maryland, Massachusetts, Minnesota, Montana, New Jersey, North Carolina, Ohio, Ontario (CAN), Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Vermont, Virginia, and West Virginia.

Source Numbers

100, 105, 114, 126, 157, 167, 177, 197, 207, 211, 217, 267, 275, 293, 300, 319, 320, 356, 357, 367, 384, 387, 407, 435, 522, 550, 552, 579, 598, 601, 603, 614, 637, 711, 716, 720, 728, 735, 868, 869, 903, 925, 936, 1005, 1007, 1008, 1010, 1033, 1066, 1077, 1078, 1079

Single-Family Detached Housing (210)

Vehicle Trip Ends vs: Dwelling Units
On a: Weekday

Setting/Location: General Urban/Suburban

Number of Studies: 174

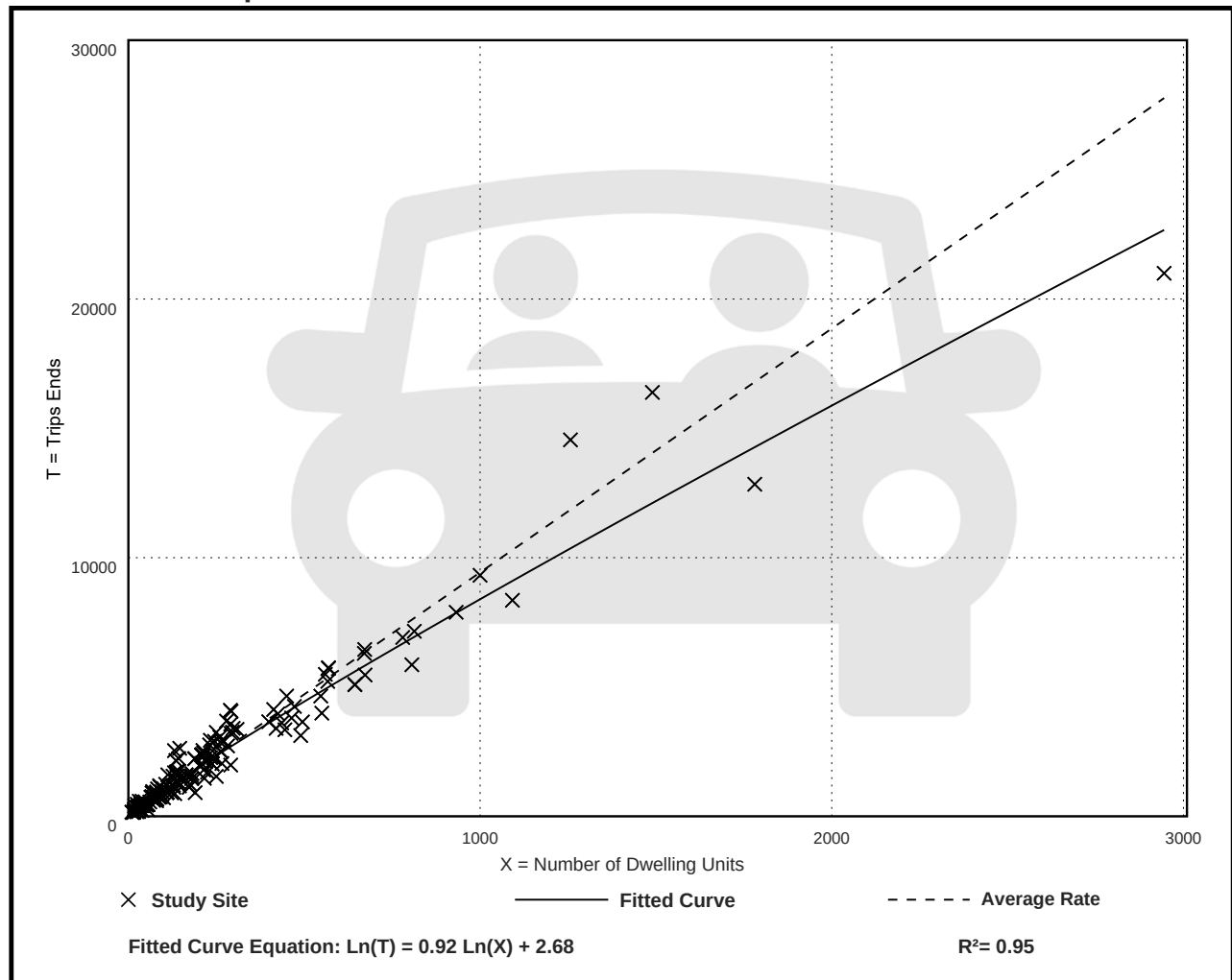
Avg. Num. of Dwelling Units: 246

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
9.43	4.45 - 22.61	2.13

Data Plot and Equation



Single-Family Detached Housing (210)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 7 and 9 a.m.

Setting/Location: General Urban/Suburban

Number of Studies: 192

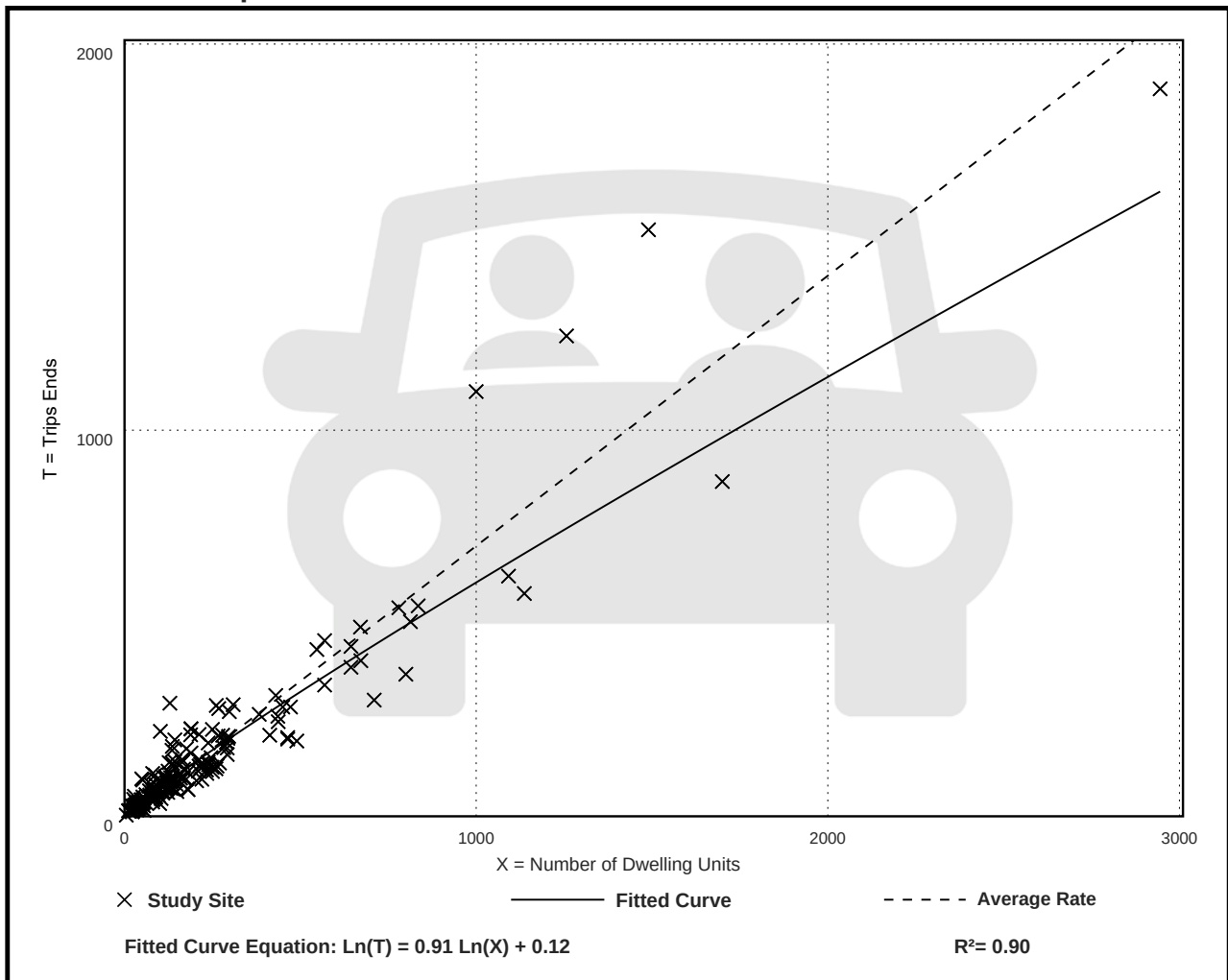
Avg. Num. of Dwelling Units: 226

Directional Distribution: 26% entering, 74% exiting

Vehicle Trip Generation per Dwelling Unit

Average Rate	Range of Rates	Standard Deviation
0.70	0.27 - 2.27	0.24

Data Plot and Equation



Single-Family Detached Housing (210)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban

Number of Studies: 208

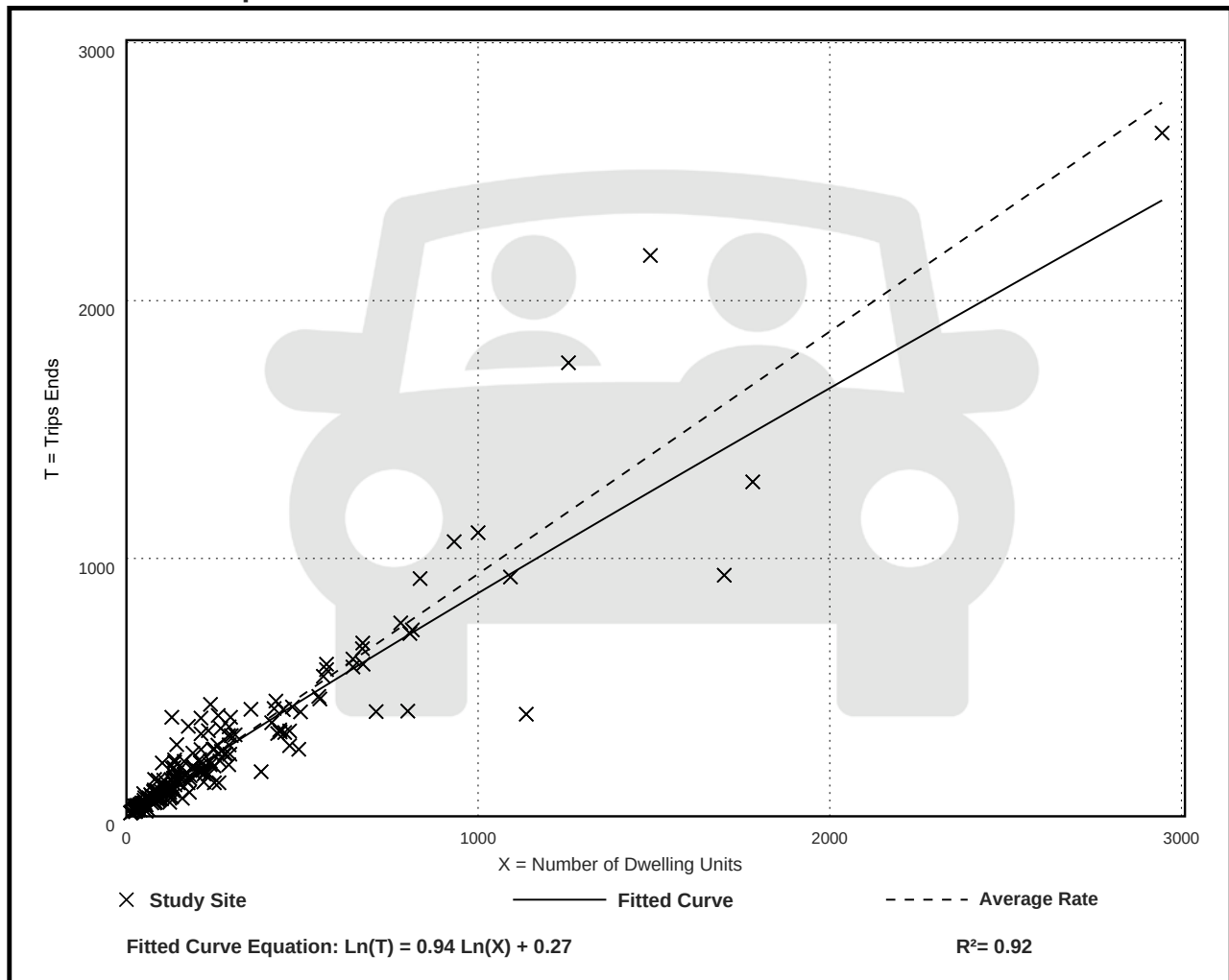
Avg. Num. of Dwelling Units: 248

Directional Distribution: 63% entering, 37% exiting

Vehicle Trip Generation per Dwelling Unit

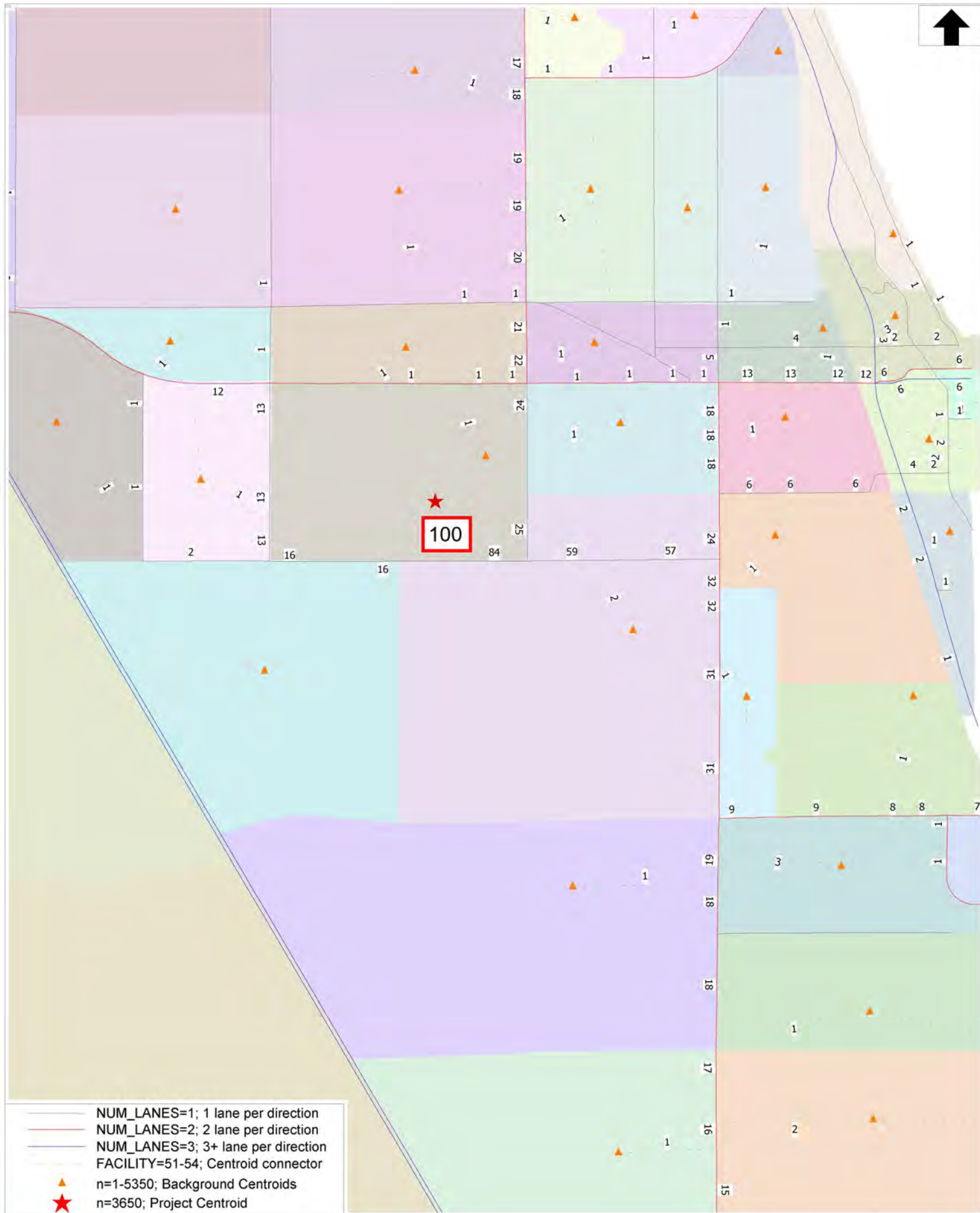
Average Rate	Range of Rates	Standard Deviation
0.94	0.35 - 2.98	0.31

Data Plot and Equation



APPENDIX I

CFRPM Model Plot



Pluckebaum Residential - Project Distribution (Percent)

APPENDIX J

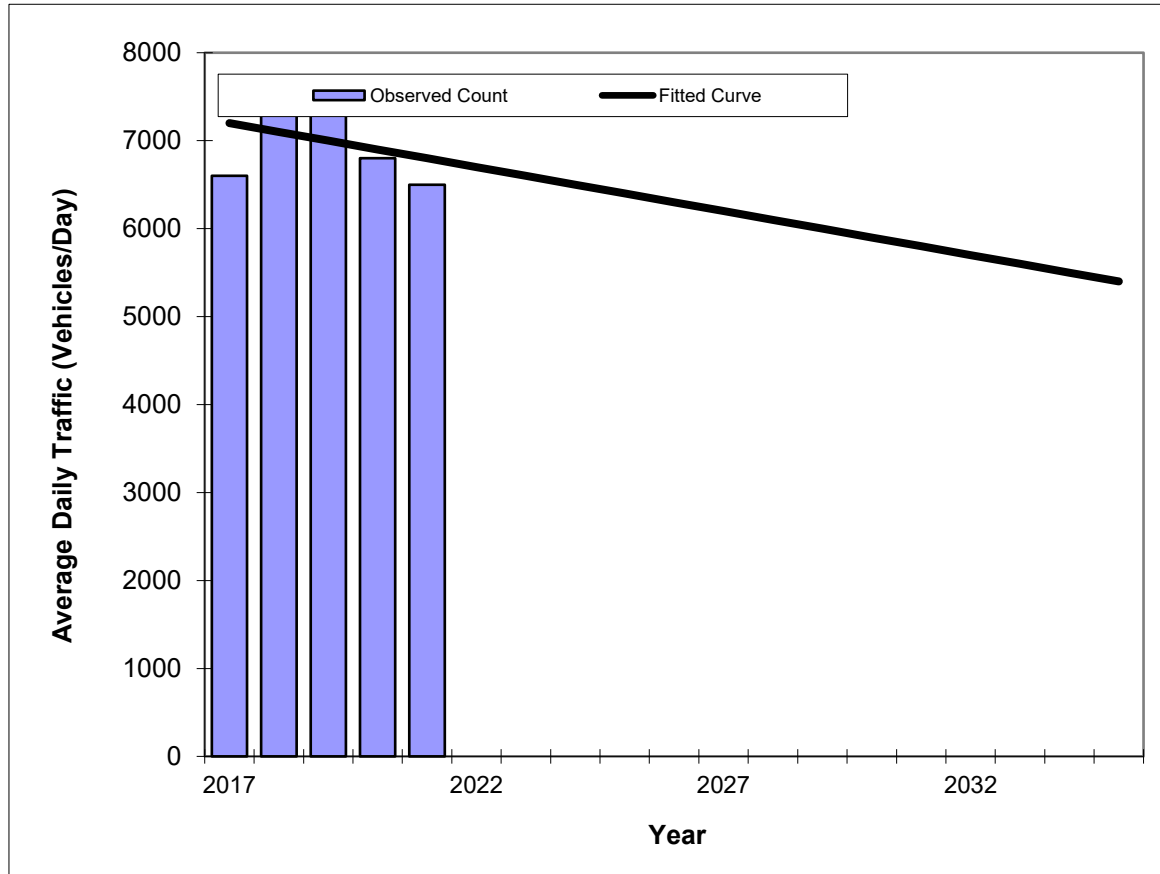
Growth Rate Worksheets

Traffic Trends - V2.0

PLUCKEBAUM RD -- Clearlake to Fiske

PIN#	0
Location	1

County:	Brevard (70)
Station #:	568
Highway:	PLUCKEBAUM RD



Year	Traffic (ADT/AADT)	
	Count*	Trend**
2017	6600	7200
2018	7600	7100
2019	7300	7000
2020	6800	6900
2021	6500	6800
2022 Opening Year Trend		
2022	N/A	6700
2023 Mid-Year Trend		
2023	N/A	6600
2025 Design Year Trend		
2025	N/A	6400
TRANPLAN Forecasts/Trends		

** Annual Trend Increase:	-100
Trend R-squared:	11.21%
Trend Annual Historic Growth Rate:	-1.39%
Trend Growth Rate (2021 to Design Year):	-1.47%
Printed:	29-Jun-22
Straight Line Growth Option	

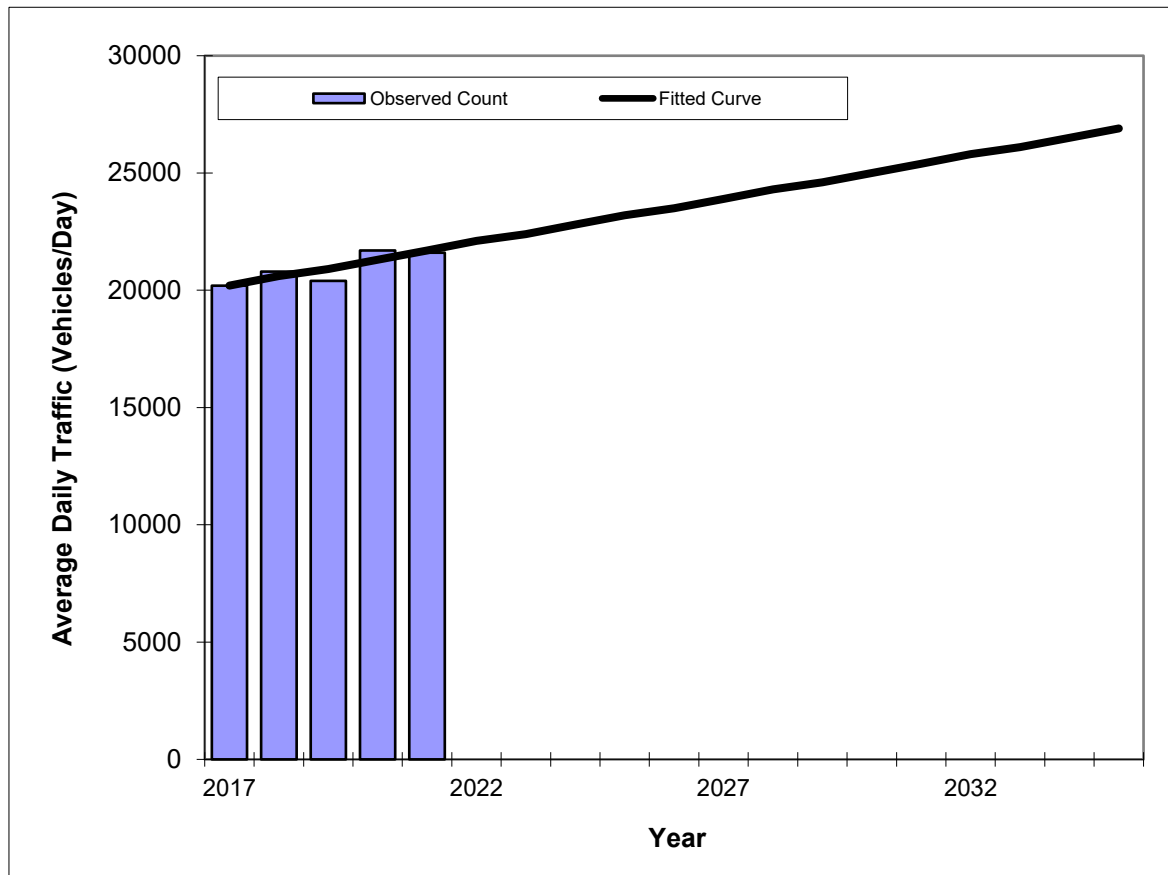
*Axle-Adjusted

Traffic Trends - V2.0

SR 520 -- Clearlake to Lake

PIN#	0
Location	1

County:	Brevard (70)
Station #:	4
Highway:	SR 520



Year	Traffic (ADT/AADT)	
	Count*	Trend**
2017	20200	20200
2018	20800	20600
2019	20400	20900
2020	21700	21300
2021	21600	21700
2022 Opening Year Trend		
2022	N/A	22100
2023 Mid-Year Trend		
2023	N/A	22400
2025 Design Year Trend		
2025	N/A	23200
TRANPLAN Forecasts/Trends		

** Annual Trend Increase:	370
Trend R-squared:	73.13%
Trend Annual Historic Growth Rate:	1.86%
Trend Growth Rate (2021 to Design Year):	1.73%
Printed:	6-Jul-22
Straight Line Growth Option	

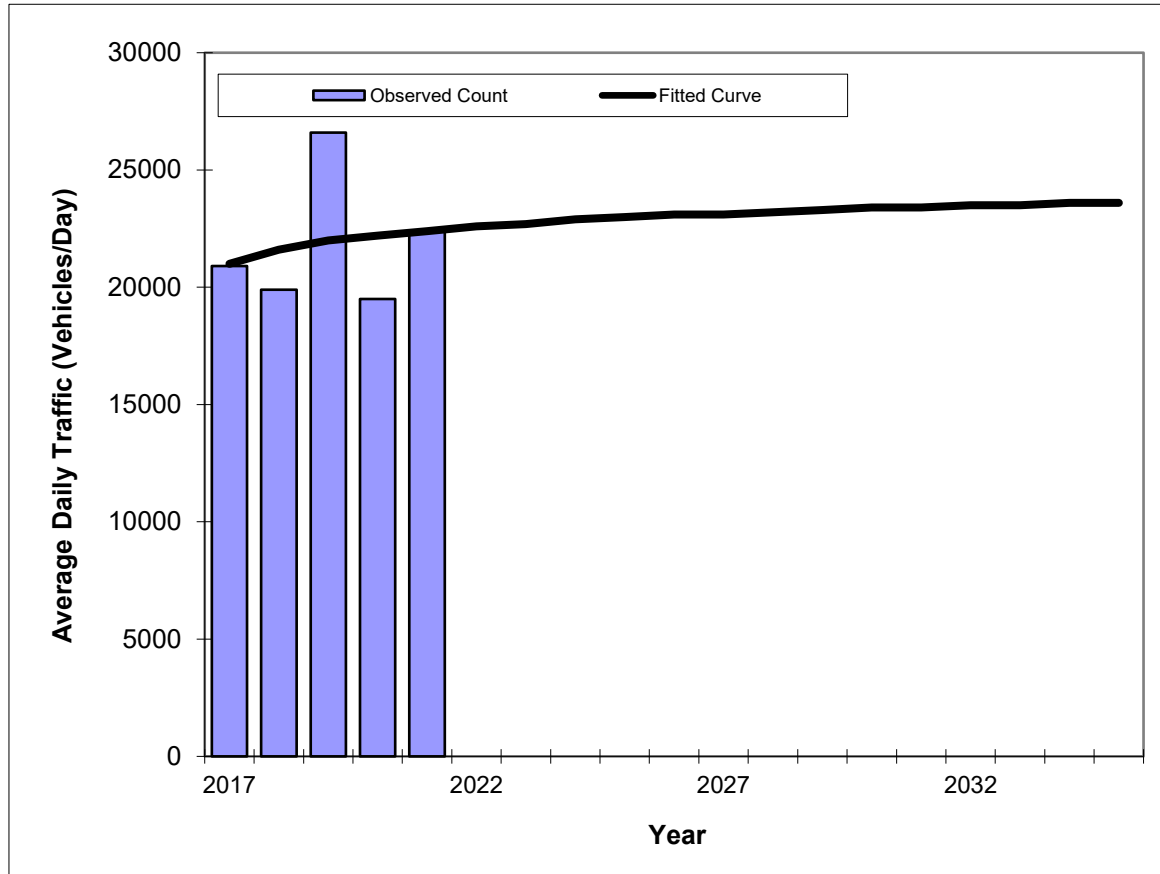
*Axle-Adjusted

Traffic Trends - V2.0

SR 520 -- Range to Clearlake

PIN#	0
Location	1

County:	Brevard (70)
Station #:	14
Highway:	SR 520



Year	Traffic (ADT/AADT)	
	Count*	Trend**
2017	20900	21000
2018	19900	21600
2019	26600	22000
2020	19500	22200
2021	22400	22400
2022 Opening Year Trend		
2022	N/A	22600
2023 Mid-Year Trend		
2023	N/A	22700
2025 Design Year Trend		
2025	N/A	23000
TRANPLAN Forecasts/Trends		

Trend R-squared:	3.91%
Compounded Annual Historic Growth Rate:	1.63%
Compounded Growth Rate (2021 to Design Year):	0.66%
Printed:	29-Jun-22
Decaying Exponential Growth Option	

*Axle-Adjusted

APPENDIX K

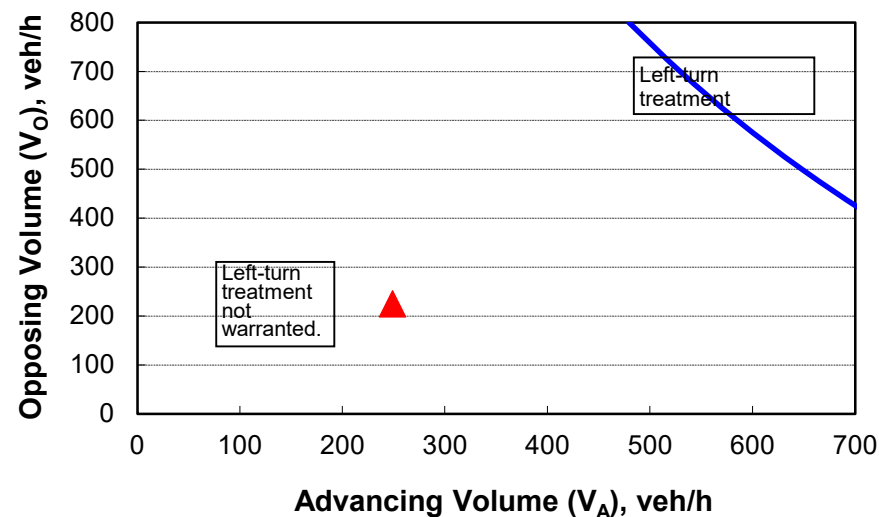
NCHRP Warrant Worksheets

Figure 2 - 5. Guideline for determining the need for a major-road left-turn bay at a two-way stop-controlled intersection.**2-lane roadway (English)****INPUT**

Variable	Value
85 th percentile speed, mph:	40
Percent of left-turns in advancing volume (V_A), %:	2%
Advancing volume (V_A), veh/h:	249
Opposing volume (V_O), veh/h:	225

OUTPUT

Variable	Value
Limiting advancing volume (V_A), veh/h:	871
Guidance for determining the need for a major-road left-turn bay:	
Left-turn treatment NOT warranted.	

**CALIBRATION CONSTANTS**

Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9

Figure 2 - 5. Guideline for determining the need for a major-road left-turn bay at a two-way stop-controlled intersection.**2-lane roadway (English)****INPUT**

Variable	Value
85 th percentile speed, mph:	40
Percent of left-turns in advancing volume (V_A), %:	9%
Advancing volume (V_A), veh/h:	213
Opposing volume (V_O), veh/h:	332

OUTPUT

Variable	Value
Limiting advancing volume (V_A), veh/h:	407
Guidance for determining the need for a major-road left-turn bay:	
Left-turn treatment NOT warranted.	

CALIBRATION CONSTANTS

Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9

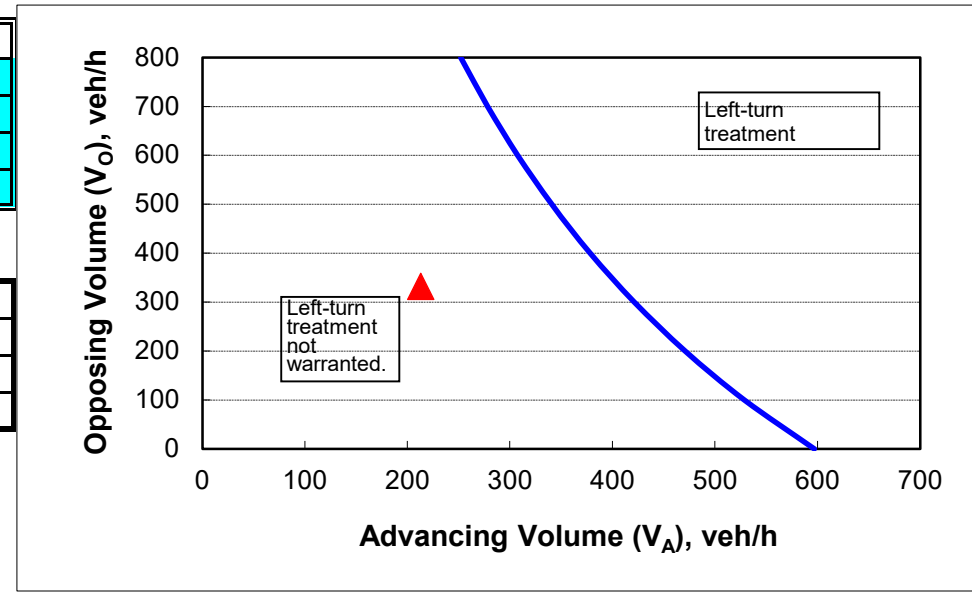


Figure 2 - 5. Guideline for determining the need for a major-road left-turn bay at a two-way stop-controlled intersection.

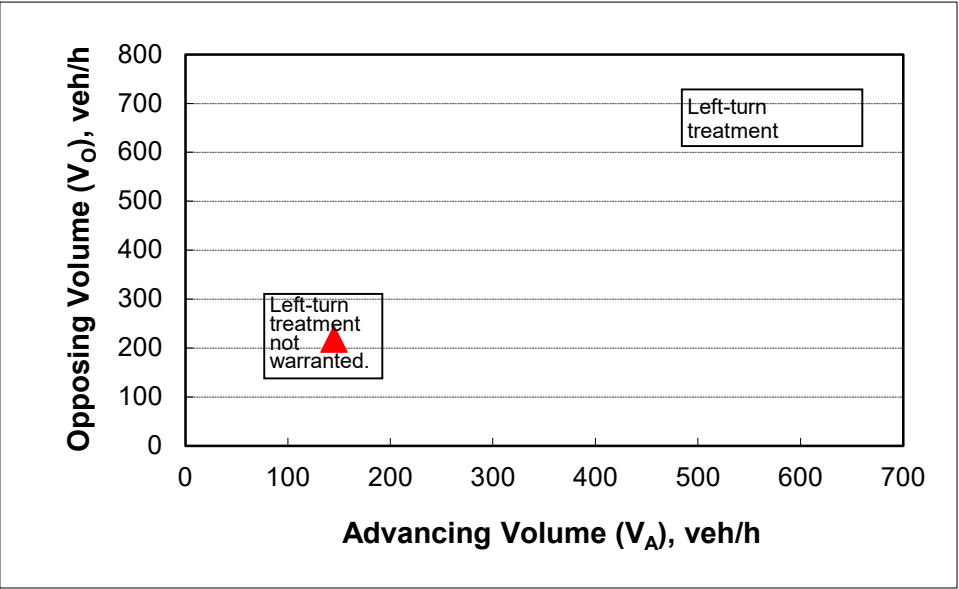
2-lane roadway (English)

INPUT

Variable	Value
85 th percentile speed, mph:	30
Percent of left-turns in advancing volume (V_A), %:	1%
Advancing volume (V_A), veh/h:	145
Opposing volume (V_O), veh/h:	218

OUTPUT

Variable	Value
Limiting advancing volume (V_A), veh/h:	1290
Guidance for determining the need for a major-road left-turn bay:	
Left-turn treatment NOT warranted.	



CALIBRATION CONSTANTS

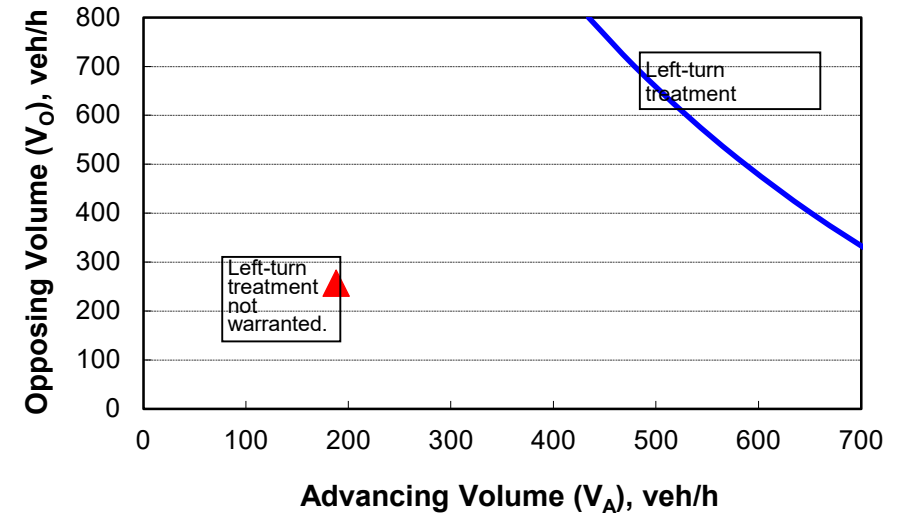
Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9

Figure 2 - 5. Guideline for determining the need for a major-road left-turn bay at a two-way stop-controlled intersection.**2-lane roadway (English)****INPUT**

Variable	Value
85 th percentile speed, mph:	30
Percent of left-turns in advancing volume (V_A), %:	4%
Advancing volume (V_A), veh/h:	188
Opposing volume (V_O), veh/h:	257

OUTPUT

Variable	Value
Limiting advancing volume (V_A), veh/h:	761
Guidance for determining the need for a major-road left-turn bay:	
Left-turn treatment NOT warranted.	

**CALIBRATION CONSTANTS**

Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9

Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.

INPUT

Roadway geometry:	2-lane road
Variable	Value
Major-road speed, mph:	40
Major-road volume (one direction), veh/h:	225
Right-turn volume, veh/h:	23

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	724
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Do NOT add right-turn bay.	

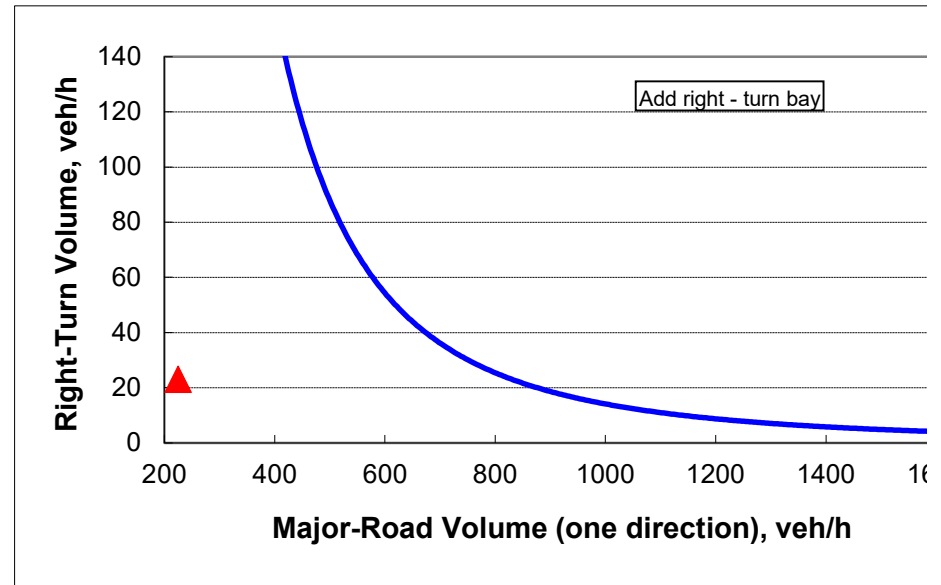


Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.

INPUT

Roadway geometry:	2-lane road
Variable	Value
Major-road speed, mph:	40
Major-road volume (one direction), veh/h:	332
Right-turn volume, veh/h:	68

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	259
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Do NOT add right-turn bay.	

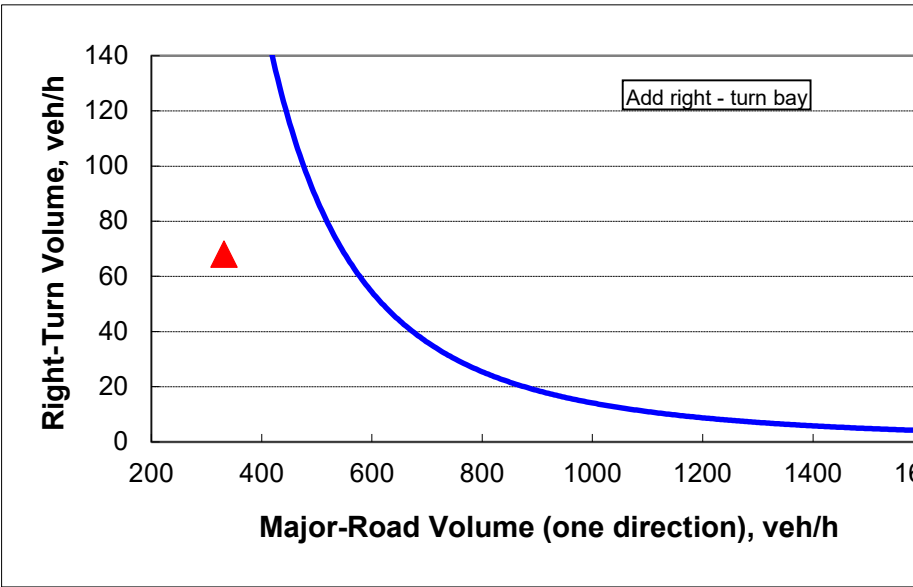


Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.

INPUT

Roadway geometry:	2-lane road
Variable	Value
Major-road speed, mph:	30
Major-road volume (one direction), veh/h:	218
Right-turn volume, veh/h:	11

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	30122
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Do NOT add right-turn bay.	

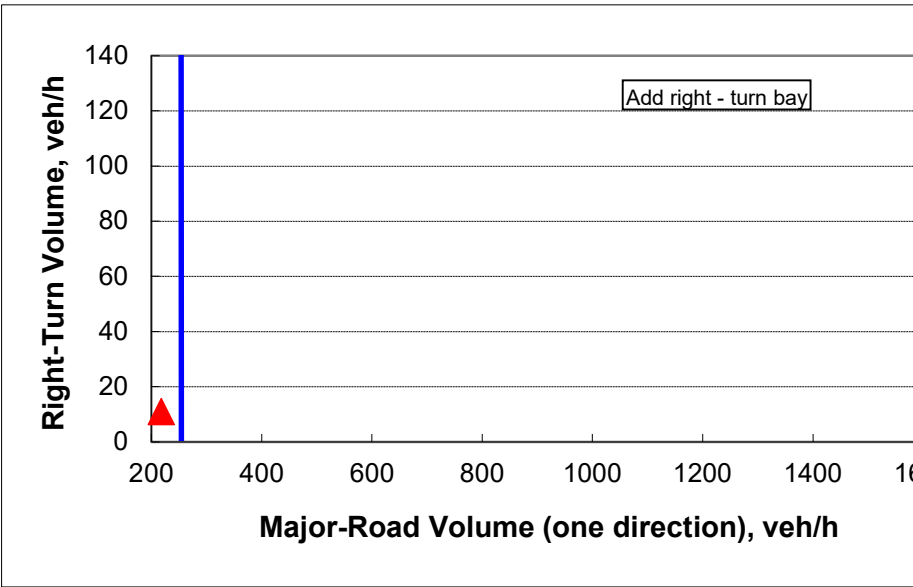


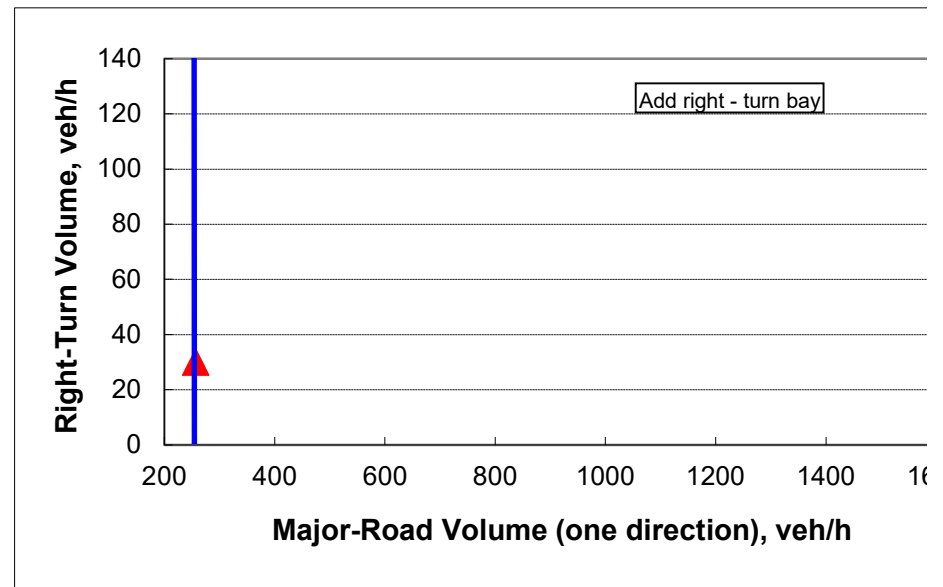
Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.

INPUT

Roadway geometry:	2-lane road
Variable	Value
Major-road speed, mph:	30
Major-road volume (one direction), veh/h:	257
Right-turn volume, veh/h:	30

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	13628
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Do NOT add right-turn bay.	





MEMORANDUM

To: Bryan A. DeSouza, MSRED, Land Acquisition Analyst
Lennar Homes

From: James M. Taylor, P.E.
Kimley-Horn and Associates, Inc.

Date: November 27, 2023

Subject: Pluckebaum Residential Traffic Due Diligence Memorandum
City of Cocoa, FL

Executive Summary

The proposed Pluckebaum Residential development will be located in the northwest quadrant of Pluckebaum Road & Clearlake Road in the City of Cocoa, Florida. The +/- 76 acres property is currently vacant. The proposed development will consist of 234 single family homes and is anticipated to be built out by the Year 2025.

The proposed residential development is anticipated to generate approximately 2,206 daily trips, 161 AM peak hour trips (42 inbound / 119 outbound), and 198 PM peak hour trips (125 inbound / 73 outbound). There is an existing sidewalk along the southern side of Pluckebaum Road, but there are no existing bicycle lanes or trails on either side of Pluckebaum Road or Clearlake Road near the project site. A minimum width 5 ft sidewalks are required by the Brevard County Land Development Code (LDC) on both sides of any adjacent roadways to a subdivision development. However, this requirement can be waived with approval from Brevard County if there is no demonstrated need for sidewalks in the immediate area.

Access to the project site will be provided via two (2) full-access driveways: one (1) on Pluckebaum Road and one (1) on Clearlake Road. These driveways satisfy the Brevard County LDC requirement for subdivisions with between 201-350 dwelling units to have two entrances.

No roadway or intersection improvements are currently planned within the study area. There are existing overhead flashing beacons at the intersection of Pluckebaum Road & Clearlake Road. A safety analysis will need to be submitted to the Brevard County if the operational analysis of the TIS suggests that these overhead flashing beacons need to be removed or if any alternative improvements need to be installed. A traffic impact study methodology report with further details that follows the City of Cocoa's guidelines has been submitted to the City for review.



MEMORANDUM

To: Bryan A. DeSouza, MSRED, Land Acquisition Analyst
Lennar Homes

From: James M. Taylor, P.E.
Kimley-Horn and Associates, Inc.

Date: November 27, 2023

Subject: Pluckebaum Residential Traffic Due Diligence Memorandum
City of Cocoa, FL

Purpose

Kimley-Horn has been retained by Lennar Homes to prepare a Traffic Due Diligence Memorandum for the proposed development of Pluckebaum Residential. The purpose of this memorandum is to understand potential project impacts prior to performing a Traffic Impact Study (TIS). A trip generation, access management assessment, multimodal analysis, and a review of future transportation improvements was therefore conducted as part of due diligence for the proposed residential development.

Project Description

The proposed Pluckebaum Residential development will be located in the northwest quadrant of Pluckebaum Road & Clearlake Road in the City of Cocoa, Florida. The +/- 76 acres property (Parcel ID: 24-36-31-00-756) is currently vacant. The proposed residential development will consist of 234 single family homes. The development is anticipated to be buildout by the Year 2025.

Access to both project sites will be provided via two (2) full-access driveways: one (1) on Pluckebaum Road and one (1) on Clearlake Road. The project driveway and site layout are shown in the conceptual site plan provided in **Attachment A**.



Trip Generation

Trip generation for the proposed project was calculated per procedures published in the *Institute of Transportation Engineer's (ITE) Trip Generation Manual, 11th Edition*. Land Use Code (LUC) 210 (Single-Family Detached Housing) was used to estimate trip generation for the project.

As shown in **Table 1**, the proposed residential development is expected to generate 2,206 daily trips, 161 AM peak hour trips (42 inbound / 119 outbound), and 198 PM peak hour trips (125 inbound / 73 outbound).

Table 1: Trip Generation Summary

Daily	Land Use	ITE LUC ¹	Size	Units	ITE Trip Rate ¹	R ²	Fitted Equation	Daily				
								Total	In ¹		Out ¹	
	Single-Family Detached Housing	210	234	DU	9.43	0.95	Ln(T) = 0.92 * Ln(X) + 2.68	2,206	50%	1,103	50%	1,103
	Total Generated Trips							2,206	1,103		1,103	
AM Peak Hour	Land Use	ITE LUC ¹	Size	Units	ITE Trip Rate ¹	R ²	Fitted Equation	AM Peak Hour				
								Total	In ¹		Out ¹	
	Single-Family Detached Housing	210	234	DU	0.69	0.90	Ln(T) = 0.91 * Ln(X) + 0.12	161	26%	42	74%	119
	Total Generated Trips							161	42		119	
PM Peak Hour	Land Use	ITE LUC ¹	Size	Units	ITE Trip Rate ¹	R ²	Fitted Equation	PM Peak Hour				
								Total	In ¹		Out ¹	
	Single-Family Detached Housing	210	234	DU	0.94	0.92	Ln(T) = 0.94 * Ln(X) + 0.27	198	63%	125	37%	73
	Total Generated Trips							198	125		73	



Access Management/Driveways

Access to Pluckebaum Residential will be provided by two (2) full-access driveways: one (1) on Pluckebaum Road and one (1) on Clearlake Road. An evaluation of access management and driveway requirements was conducted to ensure the proposed project driveway meet the standards set forth within the Brevard County Land Development Code (LDC) Sec.62-2957. Based upon the Brevard County's LDC, a subdivision is required to have two entrances if the development has between 201 – 350 dwelling units (DUs). This requirement is met with the two full-access driveways.

Turning movement counts (TMCs) were collected at the study intersections on Thursday, November 2, 2023. Data was collected during the AM Peak Period (7:00 AM to 9:00 AM) and PM Peak Period (4:00 PM to 6:00 PM) at the study area intersections. Turning movement volumes were adjusted by a seasonal factor (SF) of 1.04 based on FDOT's Florida Traffic Online (FTO) data. 24-hour continuous machine approach counts were also collected on Tuesday, November 7, 2023, along Clearlake Road and Pluckebaum Road, adjacent to the project site. These counts were adjusted by an SF of 1.05 based on FDOT's FTO data. Count data is provided in **Attachment B**.

The need for turn lanes at the proposed driveway was assessed using the methodology established by the National Cooperative of Highway Research Programs (NCHRP) Report 457. The NCHRP 457 compares the major street speed and approach volume, opposing volume, and left-turning volume to determine whether a dedicated left-turn is warranted on the major street approach. The need for a major right-turn lane on the major approach is determined by comparing the right turning volumes with the approach volume.

The number of ingress left and right turns during the PM peak hour was calculated using anticipated buildout volumes. Based upon the NCHRP 457 Reports and the data provided in **Attachment C**, ingress turn lanes on Pluckebaum Road and Clearlake Road are not warranted as shown below:

- Pluckebaum Road – Left Turn Lane
 - o Advancing volume (EBL+EBT+EBR) = 213 trips
 - o % Left Turn (EBL / Advancing Volume) = 9%
 - o Opposing volume (WBT+WBR) = 332 trips
 - The advancing volume is below the threshold for warranting a left turn lane.
- Pluckebaum Road – Right Turn Lane
 - o Major-road volume (WBL+WBT+WBR) = 332 trips
 - o Right-turn volume (WBR) = 68 trips
 - The right turn movement is below the threshold for warranting a right turn lane.



- Clearlake Road – Left Turn Lane
 - o Advancing volume (NBL+NBT+NBR) = 188 trips
 - o % Left Turn (EBL / Advancing Volume) = 4%
 - o Opposing volume (SBT+SBR) = 257 trips
 - The advancing volume is below the threshold for warranting a left turn lane.
- Clearlake Road – Right Turn Lane
 - o Major-road volume (SBL+SBT+SBR) = 257 trips
 - o Right-turn volume (SBR) = 30 trips
 - The right turn movement is below the threshold for warranting a right turn lane.

Further findings and recommendations will be documented in the forthcoming TIS.



Roadway Segment Analysis

Study roadway segments were evaluated to determine the existing and future Daily and PM peak hour levels of service (LOS). The maximum service volumes and 2022 Average Annual Daily Traffic (AADT) were obtained from 2022 Space Coast TPO's Historical Traffic Counts, FDOT's Florida Traffic Online, and FDOT's Q/LOS Tables. Existing (2023) AADT was developed by applying an annual growth rate to 2022 AADT for the adjacent study roadway segments of Pluckebaum Road and Clearlake Road. The calculated annual growth rate for each study roadway segment was determined based on historic AADT volumes from FDOT's Florida Traffic Online as provided in **Attachment C**. Project distribution for Pluckebaum Road was estimated as shown in the Access Management/Driveways section of this report. The project distribution for Clearlake Road is shown below:

- Clearlake Road (2023): 4,365 Total – 1,781 Northbound (NB) & 2,584 Southbound (SB)
- o Project distribution: (1,781 / 4,365) = 40% NB and (2,584 / 4,365) = 60% SB

Table 2 illustrates the existing (2023) and anticipated future buildout (2025) Daily volumes and level of service for the adjacent roadway segments to the project site.

Table 2: Roadway Segment Conditions

Roadway FromTo		Roadway Attributes ¹				Daily - Existing (2023)					Daily - Background (2025)				Daily - Buildout (2025)					
		Functional Classification	Adopted LOS	Number of Lanes	Daily MSV ¹	2022 AADT ¹	Annual Growth Rate	2023 AADT ²	V/C Ratio	LOS	2025 AADT ²	Daily MSV ¹	V/C Ratio	LOS	2,206 Daily Trips		% Significance	Buildout AADT	V/C Ratio	LOS
															% Assign ³	Project Trips				
Pluckebaum Rd																				
Clearlake Rd	SR 519 / Fiske Blvd	Urban Major Collector	E	2	15,600	5,900	2.00%	6,018	0.39	C	6,259	15,600	0.40	C	55%	1,213	7.78%	7,472	0.48	C
Clearlake Rd																				
Pluckebaum Rd	SR 520 / Kings St	Urban Major Collector	D	2	15,600	4,150	2.00%	4,233	0.27	C	4,402	15,600	0.28	C	60%	1,324	8.48%	5,726	0.37	C

Notes

1. Data obtained from 2022 Space Coast TPO Historical Traffic Volumes, FDOT's Florida Traffic Online, or FDOT's Q/LOS Tables
2. Volumes were determined by applying a calculated growth rate.
3. Percent project traffic assignment was the assumed maximum percent across the segment based on historic AADT.

As shown in **Table 2**, Pluckebaum Road and Clearlake Road are anticipated to operate within their adopted LOS thresholds during existing (2023) and buildout (2025) conditions.

Multimodal Analysis

A multimodal analysis of impacts and connectivity to existing and future funded transit, bicycle, pedestrian, and trail facilities within the study area will be conducted within the TIS. The analysis will be included to address the Brevard County Land Development Code (LDC Sec. 62-2956b) that requires subdivisions to provide a minimum width of 5 ft sidewalks on both sides of any adjacent roadways of a development. However, this sidewalk requirement may be waived by Brevard County if it is demonstrated there is no current or future need for sidewalks in the immediate area. There is an existing sidewalk along the southern side of Pluckebaum Road, but there are no existing bicycle lanes or trails on either side of Pluckebaum Road or Clearlake Road near the project site.



Transportation Improvements

Roadway and/or intersection improvements funded for construction within the City of Cocoa's Capital Improvements Program (CIP), Brevard County's Capital Improvement Plan (CIP), Space Coast Transportation Planning Organization's Transportation Improvement Program (TIP), and FDOT's Five-Year Work Program will be evaluated. There are currently no transportation improvements planned within the project study area.

The intersection of Pluckebaum Road & Clearlake Road is currently a two-way stop controlled (TWSC) intersection that has overhead flashing beacons. The signal flashes red for the southbound approach on Clearlake Road to emphasize these drivers need to come to a complete stop at this intersection. The signal flashes yellow for the eastbound and westbound traffic on Pluckebaum Road so vehicles heed caution while approaching the intersection. If the operational analysis of the TIS suggests these overhead flashing beacons need to be removed or any alternative improvements need to be installed at this intersection, a safety analysis may be required to submit to Brevard County (the maintaining agency).

Next Steps

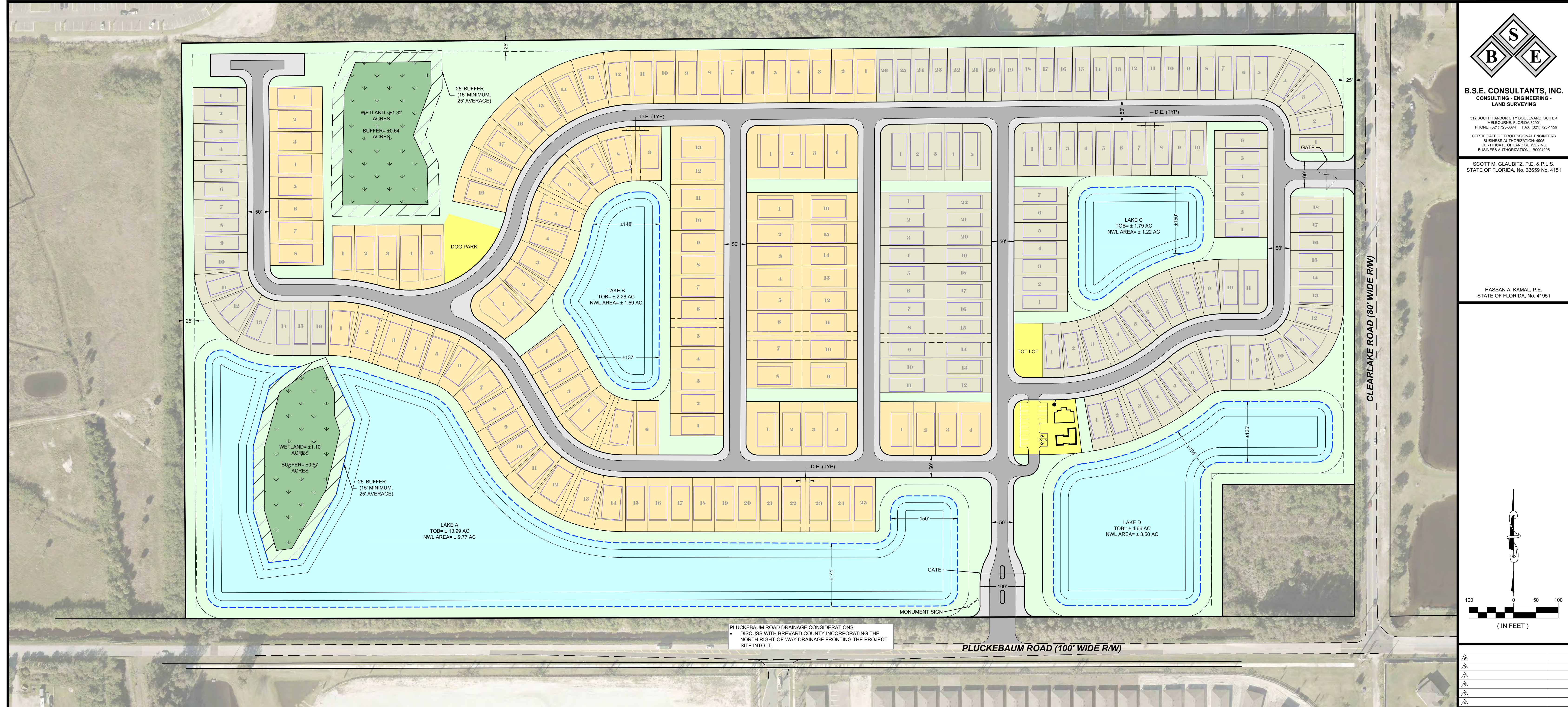
A TIS report will be submitted to the City of Cocoa to be reviewed.

\\kimley-horn.com\FL_ORL02\ORL_TPTO\249101001_Pluckebaum Residential\02_Documentation\Due Dil Memo\November 2023\Pluckebaum Residential Traffic Due Diligence Memo_11.06.2023.docx

ATTACHMENT A

Conceptual Site Plan

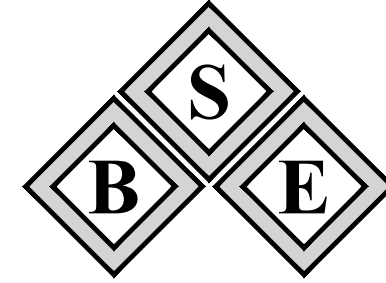
H:\Projects_Folder\11638\Drawings\11638_200_015.dwg April 5, 2023 1:47:39 PM AH



PLUCKEBAUM ROAD DRAINAGE CONSIDERATIONS:
• DISCUSS WITH BREVARD COUNTY INCORPORATING THE NORTH RIGHT-OF-WAY DRAINAGE FRONTING THE PROJECT SITE INTO IT.

PLUCKEBAUM ROAD (100' WIDE R/W)

CLEARLAKE ROAD (80' WIDE R/W)

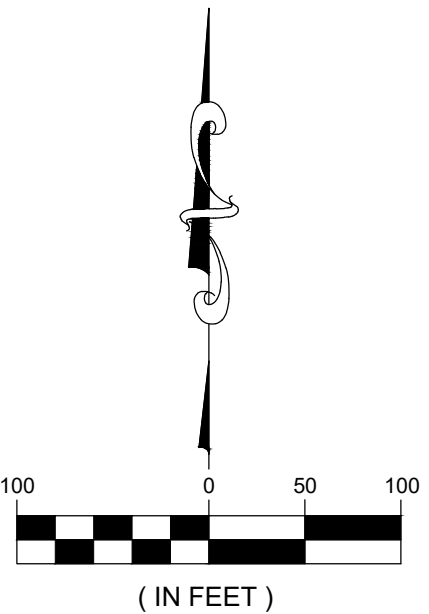


B.S.E. CONSULTANTS, INC.
CONSULTING - ENGINEERING -
LAND SURVEYING

312 SOUTH HARBOR CITY BOULEVARD, SUITE 4
MELBOURNE, FLORIDA 32901
PHONE: (321) 725-3074 FAX: (321) 723-1159
CERTIFICATE OF PROFESSIONAL ENGINEERS
BUSINESS AUTHORIZATION: 4905
CERTIFICATE OF LAND SURVEYING
BUSINESS AUTHORIZATION: LB0004005

SCOTT M. GLAUBITZ, P.E. & P.L.S.
STATE OF FLORIDA, No. 33659 No. 4151

HASSAN A. KAMAL, P.E.
STATE OF FLORIDA, No. 41951



AERIAL PHOTO PROVIDED BY BREVARD COUNTY PROPERTY APPRAISER 2023

TOTAL SITE AREA = ± 76.21 ACRES
TOTAL LAKE AREA = ± 16.08 ACRES (±21.09 %)

UNIT MIX:

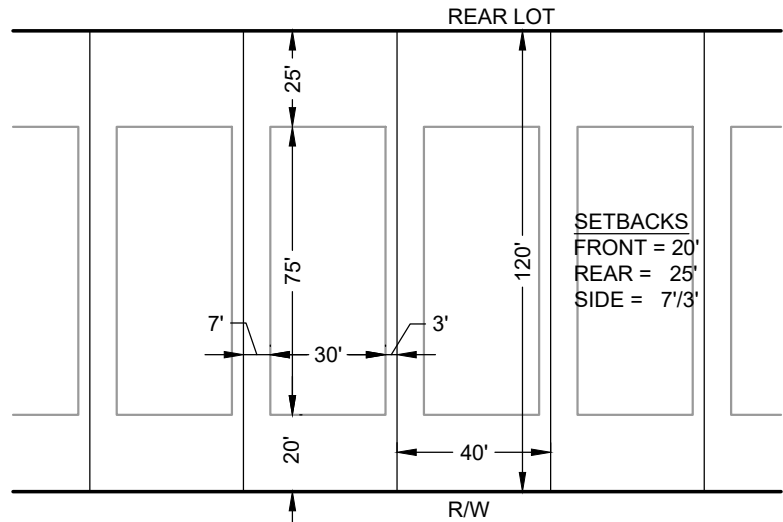
121 (51.71%) = 40 FT WIDE - SINGLE FAMILY
113 (48.29%) = 50 FT WIDE - SINGLE FAMILY
234 (100%) = TOTAL LOTS

OPEN SPACE CALCULATION:

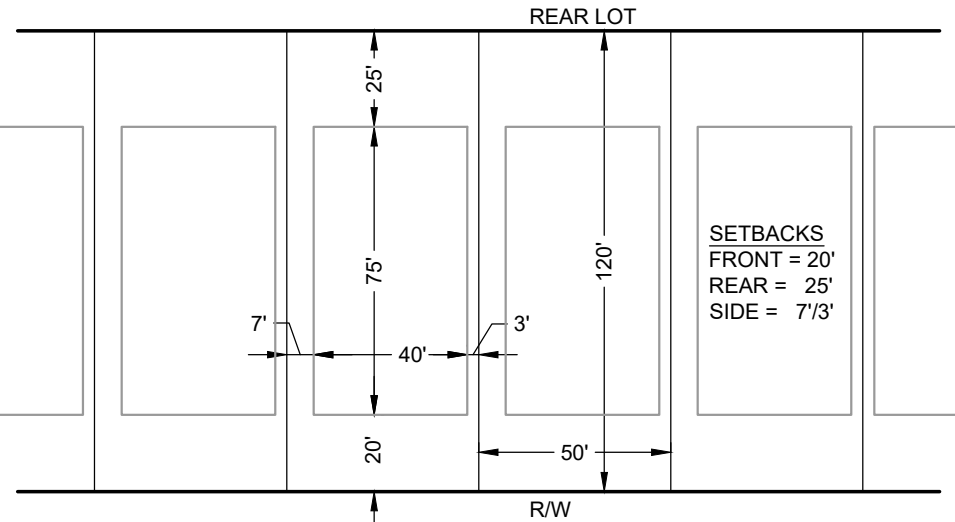
TOTAL SITE AREA = 76.21 ACRES
LESS THE FOLLOWING:

LOT / BLOCK = 32.88 ACRES
OPEN/GREEN/RECREATION SPACE = 12.84 ACRES
DOG PARK = 0.28 ACRES
TOT LOT = 0.17 ACRES
AMENITY CENTER = 0.40 ACRES
LAKE AT NWL = 16.08 ACRES
ROAD RIGHT-OF-WAY = 9.93 ACRES
WETLAND/ BUFFER = 3.63 ACRES

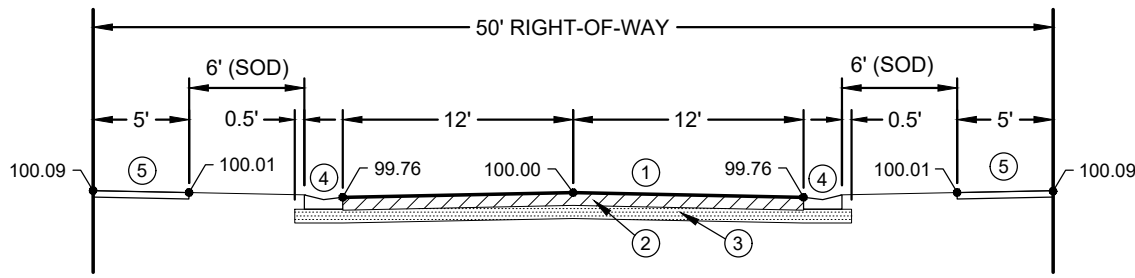
ZONING AND LAND USE TABLE		
LOCATION	ZONING	LAND USE
SUBJECT SITE - EXISTING	RU-1-7 (COCOA)	RESIDENTIAL VERY LOW (COCOA)
SUBJECT SITE - PROPOSED	PUD (ROCKLEDGE)	MDR 3-15 DU / ACRE (ROCKLEDGE)
NORTH	RU-2-15 AND RR-1 (COCOA)	MDR AND LDR (COCOA)
SOUTH	PUD (ROCKLEDGE)	LDR (ROCKLEDGE)
EAST	ROC (ROCKLEDGE)	N COMM (COCOA) AND RPM (ROCKLEDGE)
WEST	RU-2-10 (COUNTY)	RES 15 DU / ACRE (COUNTY)



40' LOT DETAIL

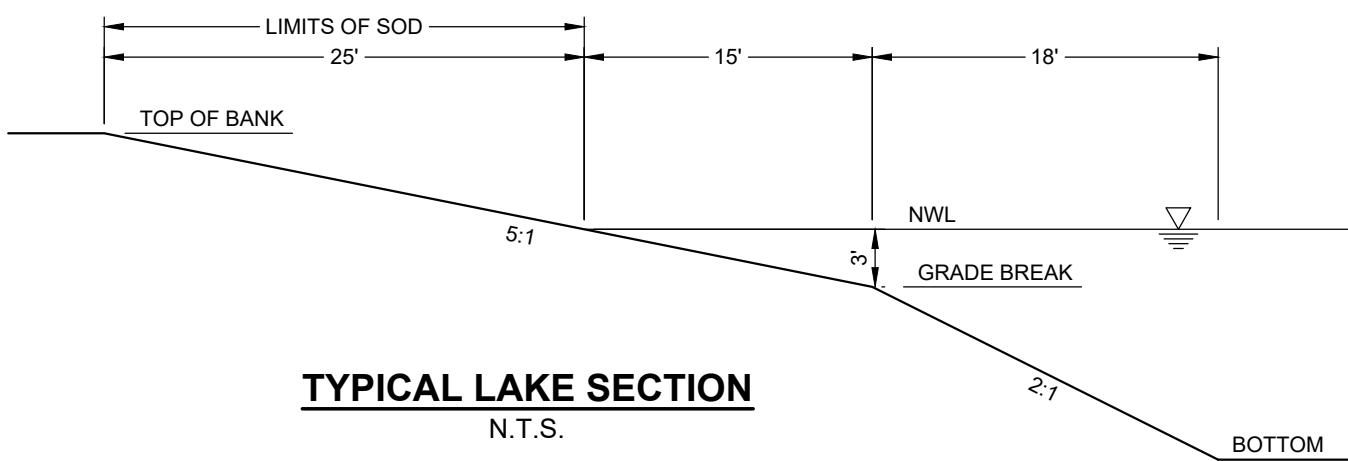


50' LOT DETAIL



50' WIDE RIGHT-OF-WAY AND ROAD SECTION DETAIL

- KEY**
- 1-1/2" TYPE SP-9.5 (FINE MIX) ASPHALTIC CONCRETE
 - 8" BASE WITH FDOT APPROVED PRIME COAT
 - 10" STABILIZED SUB-GRADE, L.B.R. 50 MIN., COMPACTED TO 98% MAX. DENSITY PER AASHTO T-180 (EXTEND 6" BEYOND CURB)
 - MIAMI CURB - 2' WIDE
 - CONCRETE SIDEWALK; 1.5% DESIGN CROSS SLOPE, 2% MAX.
- OPTIONS:**
- LIMEROCK, L.B.R. 100 MIN.
 - CEMENTED COQUINA SHELL, F.D.O.T. APPROVED, L.B.R. 100 MIN., COMPACTED TO 98% MAX. DENSITY PER AASHTO T-180



TYPICAL LAKE SECTION

PROJECT TITLE

**LENNAR -
PLUCKEBAUM RD**

SHEET TITLE

**PRELIMINARY
DEVELOPMENT
PLAN
(SINGLE-FAMILY)**

PROJECT NO.

11638

DRAWING NO.

11638_200_015

SHEET

1 of 1

SYMBOLS SHOWN ARE GRAPHIC IN NATURE; DUE TO SCALE. ALL DESIGN ELEMENTS ARE NOT NECESSARILY SHOWN ON PLAN VIEWS. THE CONTRACTOR SHALL ALSO REFER TO SPECIFICATION AND DETAIL SHEETS AS WELL AS THE COMPLETE PLAN SET.

ATTACHMENT B

Turning Movement Counts



(303) 216-2439
www.alltrafficdata.net

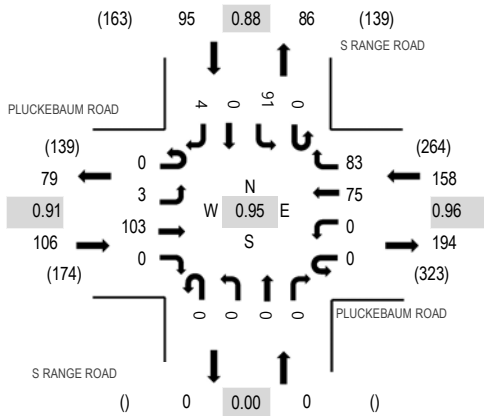
Location: 1 S RANGE ROAD & PLUCKEBAUM ROAD AM

Date: Thursday, November 2, 2023

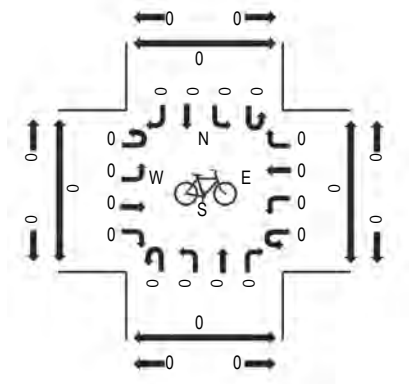
Peak Hour: 07:30 AM - 08:30 AM

Peak 15-Minutes: 08:15 AM - 08:30 AM

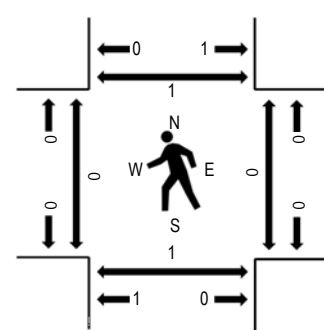
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	PLUCKEBAUM ROAD				PLUCKEBAUM ROAD				S RANGE ROAD				S RANGE ROAD				Total	Rolling Hour	Pedestrian Crossings			
	Eastbound				Westbound				Northbound				Southbound						West	East	South	North
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right						
7:00 AM	0	0	11	0	0	0	17	15	0	0	0	0	0	10	0	1	54	285	0	0	0	0
7:15 AM	0	0	12	0	0	0	12	12	0	0	0	0	0	14	0	1	51	316	0	0	0	0
7:30 AM	0	1	28	0	0	0	20	19	0	0	0	0	0	23	0	0	91	359	0	0	0	0
7:45 AM	0	0	25	0	0	0	12	28	0	0	0	0	0	21	0	3	89	335	0	0	0	0
8:00 AM	0	1	25	0	0	0	20	18	0	0	0	0	0	21	0	0	85	316	0	0	1	0
8:15 AM	0	1	25	0	0	0	23	18	0	0	0	0	0	26	0	1	94		0	0	0	1
8:30 AM	0	0	21	0	0	0	12	17	0	0	0	0	0	15	0	2	67		0	0	0	0
8:45 AM	0	0	24	0	0	0	12	9	0	0	0	0	0	22	0	3	70		0	0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	4
Lights	0	2	97	0	0	0	71	78	0	0	0	0	0	82	0	2	332
Mediums	0	1	6	0	0	0	4	3	0	0	0	0	0	7	0	2	23
Total	0	3	103	0	0	0	75	83	0	0	0	0	0	91	0	4	359

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		6.6%				5.7%				0.0%				11.6%			7.5%
Heavy Vehicle %	0.0%	33.3%	5.8%	0.0%	0.0%	0.0%	5.3%	6.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.9%	0.0%	50.0%	7.5%
Peak Hour Factor		0.91				0.96				0.00				0.88			0.95
Peak Hour Factor	0.00	0.75	0.92	0.00	0.00	0.00	0.82	0.74	0.00	0.00	0.00	0.00	0.00	0.88	0.00	0.50	0.95



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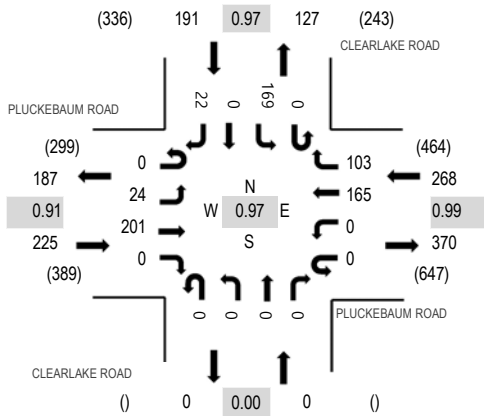
Location: 2 CLEARLAKE ROAD & PLUCKEBAUM ROAD AM

Date: Thursday, November 2, 2023

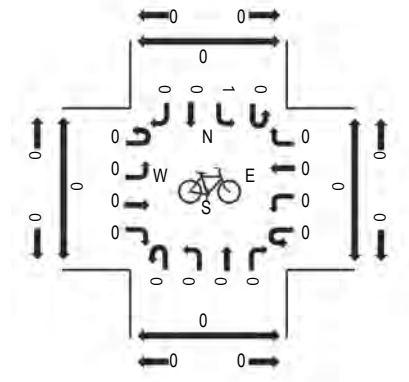
Peak Hour: 07:30 AM - 08:30 AM

Peak 15-Minutes: 07:45 AM - 08:00 AM

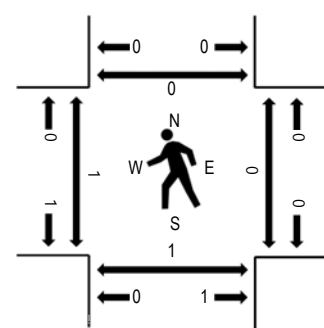
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	PLUCKEBAUM ROAD Eastbound				PLUCKEBAUM ROAD Westbound				CLEARLAKE ROAD Northbound				CLEARLAKE ROAD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00 AM	0	5	23	0	0	0	28	20	0	0	0	0	0	30	0	4	110	584	0	0	0	0
7:15 AM	0	7	33	0	0	0	28	21	0	0	0	0	0	29	0	3	121	637	0	0	0	0
7:30 AM	0	4	56	0	0	0	43	24	0	0	0	0	0	46	0	3	176	684	0	0	0	0
7:45 AM	0	8	54	0	0	0	39	29	0	0	0	0	0	41	0	6	177	646	1	0	1	0
8:00 AM	0	3	45	0	0	0	39	28	0	0	0	0	0	40	0	8	163	605	0	0	0	0
8:15 AM	0	9	46	0	0	0	44	22	0	0	0	0	0	42	0	5	168		0	0	0	0
8:30 AM	0	3	39	0	0	0	22	26	0	0	0	0	0	46	0	2	138		0	0	0	0
8:45 AM	0	6	48	0	0	0	23	28	0	0	0	0	0	29	0	2	136		0	0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	19	196	0	0	0	159	99	0	0	0	0	0	161	0	21	655
Mediums	0	5	5	0	0	0	6	4	0	0	0	0	0	8	0	1	29
Total	0	24	201	0	0	0	165	103	0	0	0	0	0	169	0	22	684

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		4.4%				3.7%				0.0%				4.7%			4.2%
Heavy Vehicle %	0.0%	20.8%	2.5%	0.0%	0.0%	0.0%	3.6%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	4.7%	0.0%	4.5%	4.2%
Peak Hour Factor		0.91				0.99				0.00				0.97			0.97
Peak Hour Factor	0.00	0.67	0.90	0.00	0.00	0.00	0.94	0.91	0.00	0.00	0.00	0.00	0.00	0.92	0.00	0.69	0.97



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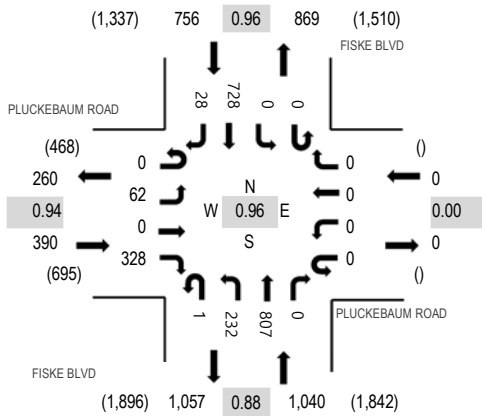
Location: 3 FISKE BLVD & PLUCKEBAUM ROAD AM

Date: Thursday, November 2, 2023

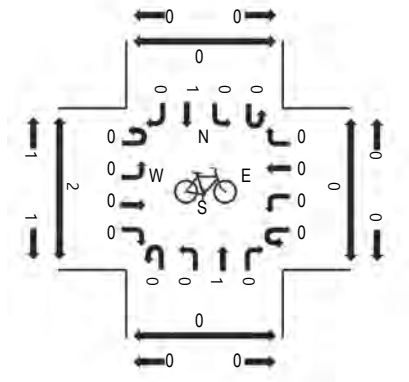
Peak Hour: 07:45 AM - 08:45 AM

Peak 15-Minutes: 08:00 AM - 08:15 AM

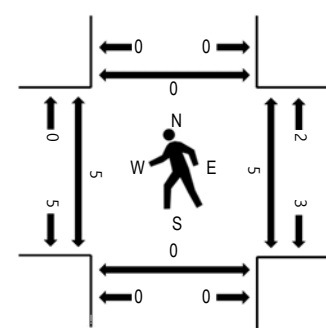
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	PLUCKEBAUM ROAD Eastbound				PLUCKEBAUM ROAD Westbound				FISKE BLVD Northbound				FISKE BLVD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00 AM	0	5	0	51	0	0	0	0	0	36	114	0	0	0	107	0	313	1,750	0	1	0	0
7:15 AM	0	9	0	61	0	0	0	0	0	40	148	0	0	0	144	2	404	2,008	0	1	0	0
7:30 AM	0	8	0	96	0	0	0	0	0	59	182	0	0	0	139	4	488	2,130	0	3	0	0
7:45 AM	0	17	0	89	0	0	0	0	1	67	195	0	0	0	171	5	545	2,186	5	3	0	0
8:00 AM	0	19	0	71	0	0	0	0	0	62	233	0	0	0	180	6	571	2,124	0	0	0	0
8:15 AM	0	15	0	84	0	0	0	0	0	58	170	0	0	0	191	8	526		0	1	0	0
8:30 AM	0	11	0	84	0	0	0	0	0	45	209	0	0	0	186	9	544		0	1	0	0
8:45 AM	0	9	0	66	0	0	0	0	0	57	166	0	0	0	175	10	483		0	2	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	1	0	0	0	0	0	0	2	0	0	0	5	0	8
Lights	0	61	0	314	0	0	0	0	1	224	790	0	0	0	695	24	2,109
Mediums	0	1	0	13	0	0	0	0	0	8	15	0	0	0	28	4	69
Total	0	62	0	328	0	0	0	0	1	232	807	0	0	0	728	28	2,186

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		3.8%				0.0%				2.4%				4.9%			3.5%
Heavy Vehicle %	0.0%	1.6%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	2.1%	0.0%	0.0%	0.0%	4.5%	14.3%	3.5%
Peak Hour Factor		0.94				0.00				0.88				0.96			0.96
Peak Hour Factor	0.00	0.82	0.00	0.89	0.00	0.00	0.00	0.00	0.25	0.92	0.87	0.00	0.00	0.00	0.96	0.83	0.96



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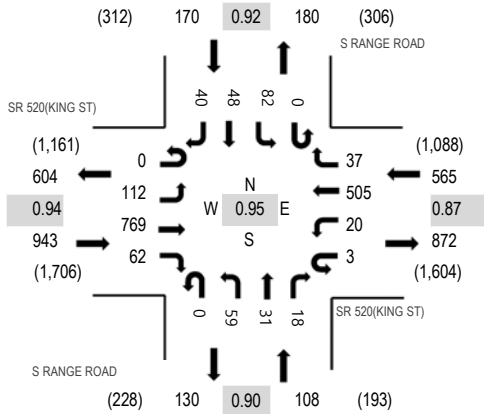
Location: 4 S RANGE ROAD & SR 520(KING ST) AM

Date: Thursday, November 2, 2023

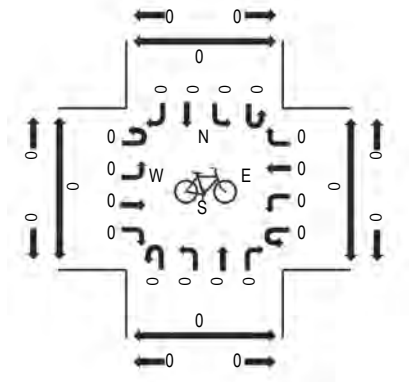
Peak Hour: 07:30 AM - 08:30 AM

Peak 15-Minutes: 08:15 AM - 08:30 AM

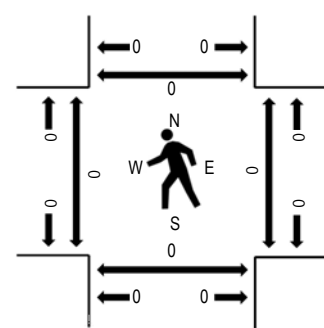
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	SR 520(KING ST) Eastbound				SR 520(KING ST) Westbound				S RANGE ROAD Northbound				S RANGE ROAD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00 AM	0	10	131	11	0	2	120	7	0	10	3	3	0	18	4	8	327	1,608	0	0	0	0
7:15 AM	1	32	169	13	0	7	90	9	0	12	4	6	0	15	4	5	367	1,684	0	0	0	0
7:30 AM	0	43	196	13	1	4	124	8	0	16	5	6	0	23	12	7	458	1,786	0	0	0	0
7:45 AM	0	25	190	16	1	8	131	11	0	14	13	1	0	19	12	15	456	1,720	0	0	0	0
8:00 AM	0	21	178	17	1	3	112	9	0	13	6	4	0	20	10	9	403	1,691	0	0	0	0
8:15 AM	0	23	205	16	0	5	138	9	0	16	7	7	0	20	14	9	469		0	0	0	0
8:30 AM	0	22	170	11	2	6	109	8	0	15	5	2	0	21	7	14	392		0	0	0	0
8:45 AM	1	12	165	15	2	12	139	10	0	15	4	6	0	22	6	18	427		0	0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	10	2	0	1	5	1	0	3	0	1	0	0	0	0	23
Lights	0	106	731	58	3	16	467	35	0	52	29	12	0	71	46	38	1,664
Mediums	0	6	28	2	0	3	33	1	0	4	2	5	0	11	2	2	99
Total	0	112	769	62	3	20	505	37	0	59	31	18	0	82	48	40	1,786

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		5.1%				7.8%				13.9%				8.8%			6.8%
Heavy Vehicle %	0.0%	5.4%	4.9%	6.5%	0.0%	20.0%	7.5%	5.4%	0.0%	11.9%	6.5%	33.3%	0.0%	13.4%	4.2%	5.0%	6.8%
Peak Hour Factor		0.94				0.87				0.90				0.92			0.95
Peak Hour Factor	0.25	0.70	0.94	0.91	0.63	0.54	0.91	0.84	0.00	0.92	0.60	0.68	0.00	0.94	0.86	0.69	0.95



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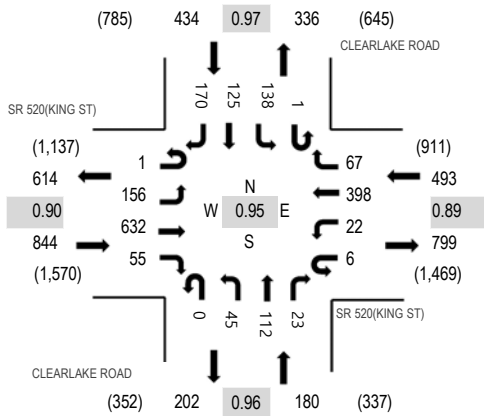
Location: 5 CLEARLAKE ROAD & SR 520(KING ST) AM

Date: Thursday, November 2, 2023

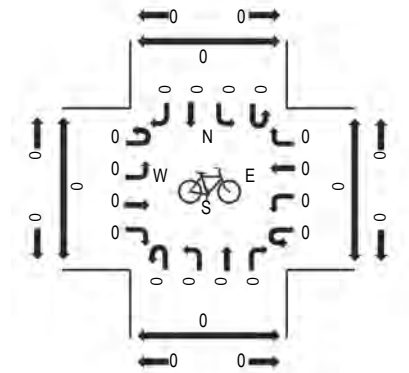
Peak Hour: 07:30 AM - 08:30 AM

Peak 15-Minutes: 07:30 AM - 07:45 AM

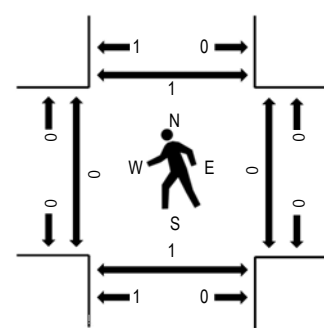
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	SR 520(KING ST) Eastbound				SR 520(KING ST) Westbound				CLEARLAKE ROAD Northbound				CLEARLAKE ROAD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00 AM	0	37	99	6	1	1	75	11	0	10	17	5	0	36	20	28	346	1,747	0	0	1	0
7:15 AM	0	52	130	9	0	4	64	8	0	13	28	4	0	28	17	32	389	1,854	0	0	0	0
7:30 AM	0	42	179	13	2	5	97	17	0	10	31	4	1	33	36	42	512	1,951	0	0	0	0
7:45 AM	0	36	159	17	1	3	110	18	0	13	30	1	0	31	29	52	500	1,898	0	0	0	0
8:00 AM	1	39	137	14	3	7	82	15	0	13	21	10	0	39	32	40	453	1,856	0	0	0	0
8:15 AM	0	39	157	11	0	7	109	17	0	9	30	8	0	35	28	36	486		0	0	1	1
8:30 AM	1	36	142	23	2	4	96	13	0	10	26	4	0	39	38	25	459		0	0	1	0
8:45 AM	1	42	143	5	1	2	118	18	0	10	21	9	0	27	21	40	458		0	1	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	2	8	0	0	0	5	0	0	0	0	0	0	2	0	0	17
Lights	1	145	603	52	6	20	368	65	0	42	106	22	1	127	119	160	1,837
Mediums	0	9	21	3	0	2	25	2	0	3	6	1	0	9	6	10	97
Total	1	156	632	55	6	22	398	67	0	45	112	23	1	138	125	170	1,951

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		5.1%				6.9%				5.6%				6.2%			5.8%
Heavy Vehicle %	0.0%	7.1%	4.6%	5.5%	0.0%	9.1%	7.5%	3.0%	0.0%	6.7%	5.4%	4.3%	0.0%	8.0%	4.8%	5.9%	5.8%
Peak Hour Factor		0.90				0.89				0.96				0.97			0.95
Peak Hour Factor	0.75	0.81	0.88	0.71	0.50	0.79	0.86	0.93	0.00	0.94	0.90	0.78	0.25	0.92	0.84	0.82	0.95



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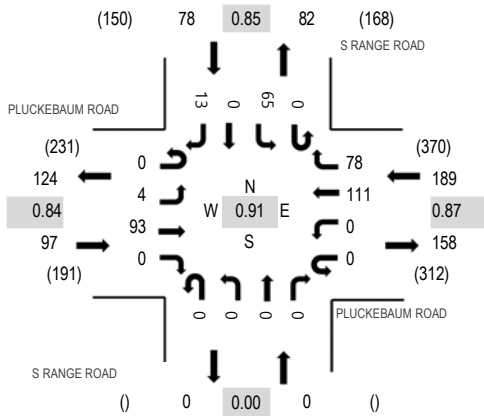
Location: 1 S RANGE ROAD & PLUCKEBAUM ROAD PM

Date: Thursday, November 2, 2023

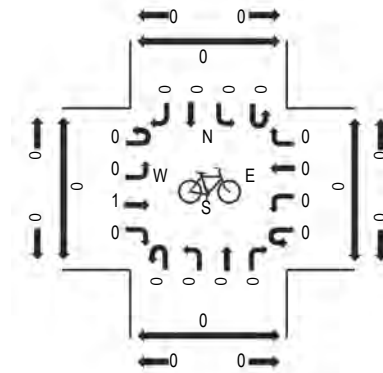
Peak Hour: 04:45 PM - 05:45 PM

Peak 15-Minutes: 05:30 PM - 05:45 PM

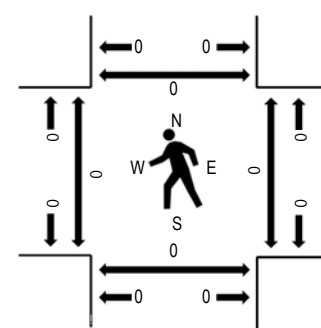
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	PLUCKEBAUM ROAD Eastbound				PLUCKEBAUM ROAD Westbound				S RANGE ROAD Northbound				S RANGE ROAD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	0	2	30	0	0	0	20	21	0	0	0	0	0	19	0	0	92	354	0	0	0	0
4:15 PM	0	1	18	0	0	0	24	15	0	0	0	0	0	20	0	1	79	344	0	0	0	0
4:30 PM	0	2	23	0	0	0	27	23	0	0	0	0	0	18	0	0	93	357	0	0	0	0
4:45 PM	0	1	30	0	0	0	22	19	0	0	0	0	0	17	0	1	90	364	0	0	0	0
5:00 PM	0	0	16	0	0	0	29	17	0	0	0	0	0	18	0	2	82	357	0	0	0	0
5:15 PM	0	0	18	0	0	0	35	22	0	0	0	0	0	16	0	1	92		0	0	0	0
5:30 PM	0	3	29	0	0	0	25	20	0	0	0	0	0	14	0	9	100		0	0	0	0
5:45 PM	0	1	17	0	0	0	30	21	0	0	0	0	0	9	0	5	83		0	0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Lights	0	4	91	0	0	0	110	75	0	0	0	0	0	61	0	12	353
Mediums	0	0	2	0	0	0	1	3	0	0	0	0	0	3	0	1	10
Total	0	4	93	0	0	0	111	78	0	0	0	0	0	65	0	13	364

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		2.1%				2.1%				0.0%				6.4%			3.0%
Heavy Vehicle %	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.9%	3.8%	0.0%	0.0%	0.0%	0.0%	0.0%	6.2%	0.0%	7.7%	3.0%
Peak Hour Factor		0.84				0.87				0.00				0.85			0.91
Peak Hour Factor	0.00	0.75	0.84	0.00	0.00	0.00	0.85	0.88	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.47	0.91



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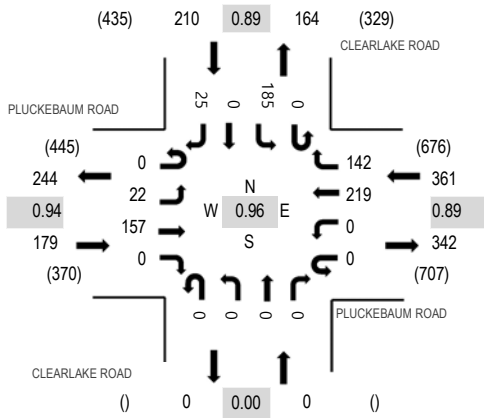
Location: 2 CLEARLAKE ROAD & PLUCKEBAUM ROAD PM

Date: Thursday, November 2, 2023

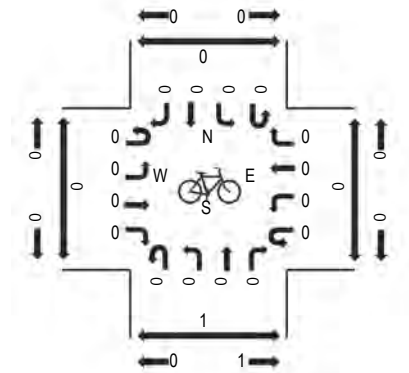
Peak Hour: 05:00 PM - 06:00 PM

Peak 15-Minutes: 05:15 PM - 05:30 PM

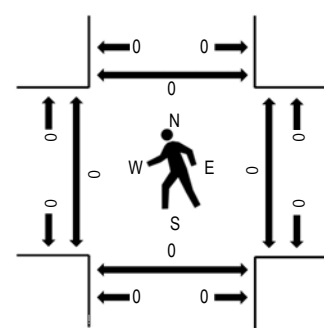
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	PLUCKEBAUM ROAD Eastbound				PLUCKEBAUM ROAD Westbound				CLEARLAKE ROAD Northbound				CLEARLAKE ROAD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	0	6	45	0	0	0	43	36	0	0	0	0	0	58	0	4	192	731	0	0	0	0
4:15 PM	0	3	41	0	0	0	41	34	0	0	0	0	0	55	0	8	182	711	0	0	0	0
4:30 PM	0	6	39	0	0	0	44	31	0	0	0	0	0	45	0	11	176	725	0	0	0	0
4:45 PM	0	6	45	0	0	0	43	43	0	0	0	0	0	37	0	7	181	735	0	0	0	0
5:00 PM	0	6	37	0	0	0	54	27	0	0	0	0	0	43	0	5	172	750	0	0	0	0
5:15 PM	0	3	43	0	0	0	63	38	0	0	0	0	0	43	0	6	196		0	0	0	0
5:30 PM	0	8	42	0	0	0	52	29	0	0	0	0	0	47	0	8	186		0	0	0	0
5:45 PM	0	5	35	0	0	0	50	48	0	0	0	0	0	52	0	6	196		0	0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Lights	0	22	154	0	0	0	215	142	0	0	0	0	0	182	0	25	740
Mediums	0	0	3	0	0	0	3	0	0	0	0	0	0	3	0	0	9
Total	0	22	157	0	0	0	219	142	0	0	0	0	0	185	0	25	750

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		1.7%				1.1%				0.0%				1.4%			1.3%
Heavy Vehicle %	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	0.0%	0.0%	1.3%
Peak Hour Factor		0.94				0.89				0.00				0.89			0.96
Peak Hour Factor	0.00	0.72	0.94	0.00	0.00	0.00	0.87	0.84	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.70	0.96



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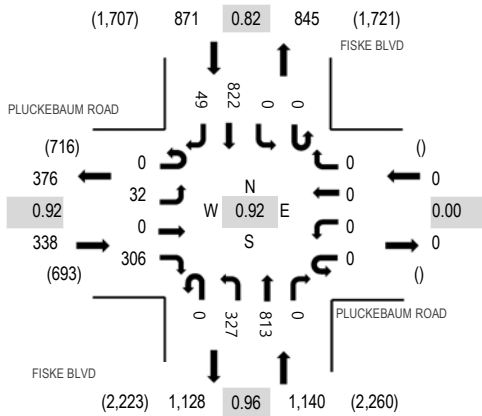
Location: 3 FISKE BLVD & PLUCKEBAUM ROAD PM

Date: Thursday, November 2, 2023

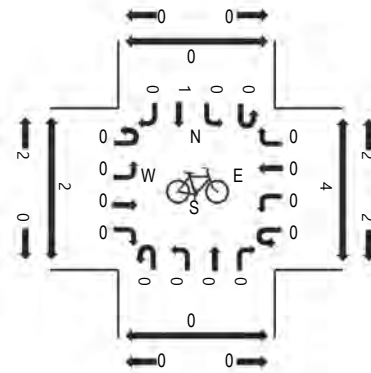
Peak Hour: 05:00 PM - 06:00 PM

Peak 15-Minutes: 05:15 PM - 05:30 PM

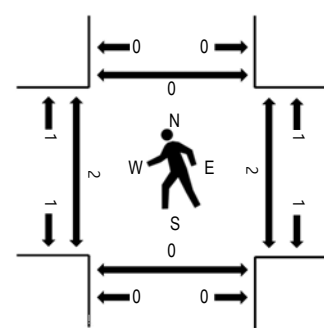
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	PLUCKEBAUM ROAD Eastbound				PLUCKEBAUM ROAD Westbound				FISKE BLVD Northbound				FISKE BLVD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	0	14	0	82	0	0	0	0	0	74	213	0	0	0	207	9	599	2,311	0	2	0	0
4:15 PM	0	16	0	77	0	0	0	0	0	64	205	0	0	0	175	15	552	2,244	0	3	0	0
4:30 PM	0	10	0	79	0	0	0	0	0	73	228	0	0	0	199	15	604	2,330	1	5	0	0
4:45 PM	0	3	0	74	0	0	0	0	0	76	187	0	0	0	202	14	556	2,302	1	1	0	0
5:00 PM	0	7	0	66	0	0	0	0	0	79	191	0	0	0	177	12	532	2,349	0	0	0	0
5:15 PM	0	8	0	82	0	0	0	0	0	84	194	0	0	0	257	13	638		2	1	0	0
5:30 PM	0	5	0	79	0	0	0	0	0	80	217	0	0	0	186	9	576		0	0	0	0
5:45 PM	0	12	0	79	0	0	0	0	0	84	211	0	0	0	202	15	603		0	1	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Lights	0	32	0	302	0	0	0	0	0	322	804	0	0	0	809	49	2,318
Mediums	0	0	0	4	0	0	0	0	0	4	9	0	0	0	13	0	30
Total	0	32	0	306	0	0	0	0	0	327	813	0	0	0	822	49	2,349

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		1.2%				0.0%				1.2%				1.5%			1.3%
Heavy Vehicle %	0.0%	0.0%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	1.1%	0.0%	0.0%	0.0%	1.6%	0.0%	1.3%
Peak Hour Factor		0.92				0.00				0.96				0.82			0.92
Peak Hour Factor	0.00	0.67	0.00	0.95	0.00	0.00	0.00	0.00	0.00	0.97	0.91	0.00	0.00	0.00	0.81	0.93	0.92



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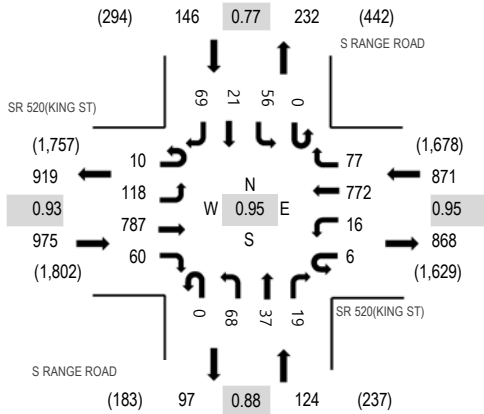
Location: 4 S RANGE ROAD & SR 520(KING ST) PM

Date: Thursday, November 2, 2023

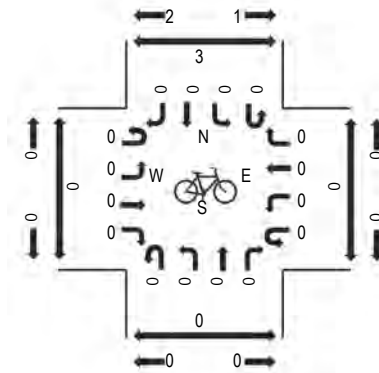
Peak Hour: 04:45 PM - 05:45 PM

Peak 15-Minutes: 05:30 PM - 05:45 PM

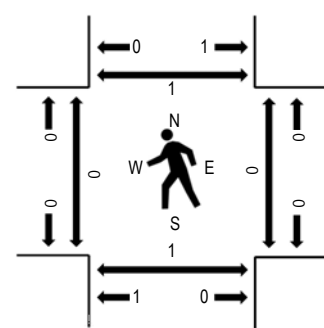
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	SR 520(KING ST) Eastbound				SR 520(KING ST) Westbound				S RANGE ROAD Northbound				S RANGE ROAD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	3	23	153	15	2	2	179	16	0	11	10	4	0	21	10	13	462	1,954	0	0	1	0
4:15 PM	2	33	176	9	4	1	198	17	0	13	10	7	0	18	13	18	519	2,006	0	0	0	0
4:30 PM	2	18	169	10	0	5	190	14	0	17	9	1	0	13	7	7	462	2,021	0	0	0	0
4:45 PM	4	30	177	16	1	5	200	18	0	12	10	7	0	14	7	10	511	2,116	0	0	0	0
5:00 PM	0	29	195	6	1	1	189	19	0	19	8	8	0	16	5	18	514	2,057	0	0	0	0
5:15 PM	2	29	208	18	2	6	172	28	0	16	6	2	0	15	5	25	534		0	0	1	1
5:30 PM	4	30	207	20	2	4	211	12	0	21	13	2	0	11	4	16	557		0	0	0	0
5:45 PM	0	32	174	8	2	2	156	19	0	17	9	5	0	12	4	12	452		0	0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	2	5	1	0	0	2	0	0	0	0	0	0	0	0	1	11
Lights	9	109	761	51	5	15	758	72	0	68	35	17	0	52	21	66	2,039
Mediums	1	7	21	8	1	1	12	5	0	0	2	2	0	4	0	2	66
Total	10	118	787	60	6	16	772	77	0	68	37	19	0	56	21	69	2,116

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %		4.6%				2.4%				3.2%				4.8%			3.6%
Heavy Vehicle %	10.0%	7.6%	3.3%	15.0%	16.7%	6.3%	1.8%	6.5%	0.0%	0.0%	5.4%	10.5%	0.0%	7.1%	0.0%	4.3%	3.6%
Peak Hour Factor		0.93				0.95				0.88				0.77			0.95
Peak Hour Factor	0.69	0.94	0.95	0.75	0.44	0.71	0.97	0.71	0.00	0.87	0.98	0.72	0.00	0.79	0.71	0.71	0.95



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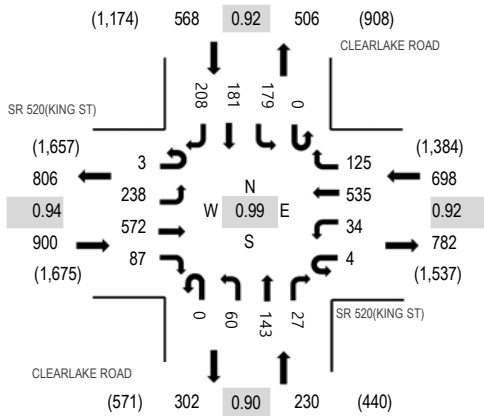
Location: 5 CLEARLAKE ROAD & SR 520(KING ST) PM

Date: Thursday, November 2, 2023

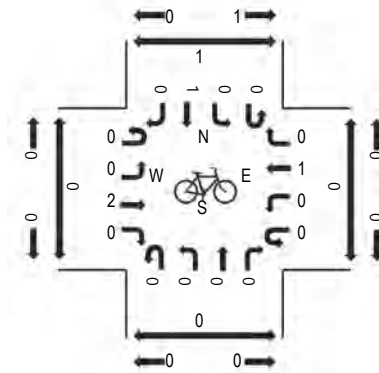
Peak Hour: 05:00 PM - 06:00 PM

Peak 15-Minutes: 05:00 PM - 05:15 PM

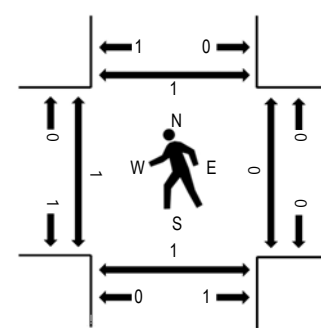
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	SR 520(KING ST) Eastbound				SR 520(KING ST) Westbound				CLEARLAKE ROAD Northbound				CLEARLAKE ROAD Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00 PM	0	46	129	23	2	5	122	20	0	19	26	7	0	52	60	53	564	2,277	0	0	0	0
4:15 PM	0	39	136	13	1	5	145	31	0	12	37	9	0	48	41	55	572	2,320	0	0	0	0
4:30 PM	0	42	134	16	2	6	153	21	0	11	26	3	0	53	41	63	571	2,352	0	0	0	0
4:45 PM	0	51	128	18	2	4	144	23	0	14	40	6	0	43	37	60	570	2,376	0	0	0	0
5:00 PM	1	61	149	20	2	9	119	34	0	14	30	7	0	52	49	60	607	2,396	1	0	0	1
5:15 PM	1	63	155	21	0	5	161	28	0	15	39	5	0	38	31	42	604		0	0	0	0
5:30 PM	1	64	123	22	1	7	130	31	0	14	34	8	0	45	54	61	595		0	0	1	0
5:45 PM	0	50	145	24	1	13	125	32	0	17	40	7	0	44	47	45	590		0	0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	1	3	0	0	1	2	0	0	1	1	0	0	0	1	0	10
Lights	3	236	555	84	4	33	515	123	0	57	141	27	0	175	178	200	2,331
Mediums	0	1	14	3	0	0	18	2	0	2	1	0	0	4	2	8	55
Total	3	238	572	87	4	34	535	125	0	60	143	27	0	179	181	208	2,396

Heavy Vehicle Percentage and Peak Hour Factor

	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Heavy Vehicle %	2.4%				3.3%				2.2%				2.6%				2.7%
Heavy Vehicle %	0.0%	0.8%	3.0%	3.4%	0.0%	2.9%	3.7%	1.6%	0.0%	5.0%	1.4%	0.0%	0.0%	2.2%	1.7%	3.8%	2.7%
Peak Hour Factor	0.94				0.92				0.90				0.92				0.99
Peak Hour Factor	0.75	0.93	0.92	0.91	0.88	0.65	0.90	0.92	0.00	0.88	0.89	0.84	0.00	0.92	0.84	0.94	0.99

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Page 1

Site Code: 1
Station ID: 1
CLEARLAKE ROAD NORTH OF
PLUCKEBAUM ROAD

Start Time	07-Nov-23 Tues	NB		Hour Totals		SB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		1	28			7	44				
12:15		1	31			1	44				
12:30		1	31			2	45				
12:45		1	22	4	112	1	38	11	171	15	283
01:00		1	25			0	39				
01:15		0	24			1	38				
01:30		1	25			0	41				
01:45		0	23	2	97	2	38	3	156	5	253
02:00		0	32			2	49				
02:15		0	18			1	39				
02:30		1	46			1	45				
02:45		1	40	2	136	1	37	5	170	7	306
03:00		0	48			1	45				
03:15		0	40			4	40				
03:30		1	34			0	36				
03:45		0	35	1	157	3	62	8	183	9	340
04:00		1	36			1	74				
04:15		5	49			5	56				
04:30		5	49			2	55				
04:45		2	35	13	169	9	58	17	243	30	412
05:00		2	35			5	52				
05:15		6	36			10	61				
05:30		8	55			11	59				
05:45		13	47	29	173	22	46	48	218	77	391
06:00		7	44			24	54				
06:15		14	20			18	45				
06:30		14	34			34	30				
06:45		20	16	55	114	44	39	120	168	175	282
07:00		28	13			36	22				
07:15		27	22			40	21				
07:30		27	19			42	31				
07:45		32	12	114	66	55	23	173	97	287	163
08:00		27	11			46	40				
08:15		29	16			41	21				
08:30		34	14			39	18				
08:45		31	10	121	51	47	22	173	101	294	152
09:00		43	3			48	16				
09:15		28	4			49	19				
09:30		21	8			30	11				
09:45		22	4	114	19	36	16	163	62	277	81
10:00		17	13			28	8				
10:15		25	6			34	13				
10:30		24	1			25	4				
10:45		30	1	96	21	41	4	128	29	224	50
11:00		33	2			39	9				
11:15		25	3			18	4				
11:30		21	2			32	2				
11:45		25	4	104	11	28	5	117	20	221	31
Total		655	1126			966	1618			1621	2744
Percent		36.8%	63.2%			37.4%	62.6%			37.1%	62.9%
Grand Total		655	1126			966	1618			1621	2744
Percent		36.8%	63.2%			37.4%	62.6%			37.1%	62.9%
ADT		ADT 4,365		AADT 4,365							

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Page 1

Site Code: 2
Station ID: 2
PLUCKEBAUM ROAD WEST OF
CLEARLAKE ROAD

Start Time	07-Nov-23 Tues	EB		Hour Totals		WB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		1	27			6	41				
12:15		2	37			2	34				
12:30		1	25			2	48				
12:45		1	32	5	121	0	44	10	167	15	288
01:00		1	38			0	47				
01:15		1	27			1	32				
01:30		1	30			0	37				
01:45		0	27	3	122	1	23	2	139	5	261
02:00		0	39			1	42				
02:15		1	35			0	36				
02:30		0	37			1	35				
02:45		1	49	2	160	1	45	3	158	5	318
03:00		1	43			2	56				
03:15		4	46			2	47				
03:30		2	42			2	43				
03:45		0	46	7	177	2	47	8	193	15	370
04:00		3	48			1	53				
04:15		4	48			2	49				
04:30		6	49			3	59				
04:45		3	50	16	195	1	62	7	223	23	418
05:00		2	49			4	71				
05:15		7	47			7	65				
05:30		7	53			5	59				
05:45		9	43	25	192	12	40	28	235	53	427
06:00		15	32			12	36				
06:15		27	34			16	33				
06:30		26	17			19	31				
06:45		39	19	107	102	25	28	72	128	179	230
07:00		42	20			21	20				
07:15		55	15			32	13				
07:30		53	9			47	20				
07:45		76	14	226	58	36	13	136	66	362	124
08:00		55	11			42	18				
08:15		39	21			39	14				
08:30		44	11			47	10				
08:45		45	4	183	47	39	15	167	57	350	104
09:00		45	13			29	20				
09:15		32	7			42	11				
09:30		27	13			31	7				
09:45		37	9	141	42	25	10	127	48	268	90
10:00		24	6			28	5				
10:15		23	5			31	5				
10:30		32	5			35	8				
10:45		26	5	105	21	32	2	126	20	231	41
11:00		33	0			26	3				
11:15		21	0			31	9				
11:30		26	4			27	1				
11:45		36	4	116	8	30	4	114	17	230	25
Total		936	1245			800	1451			1736	2696
Percent		42.9%	57.1%			35.5%	64.5%			39.2%	60.8%
Grand Total		936	1245			800	1451			1736	2696
Percent		42.9%	57.1%			35.5%	64.5%			39.2%	60.8%
ADT		ADT 4,432		AADT 4,432							

All Traffic Data Services, Inc.
WWW.ALLTRAFFICDATA.NET

Page 1

Site Code: 3
Station ID: 3
PLUCKEBAUM ROAD EAST OF
CLEARLAKE ROAD

Start Time	07-Nov-23 Tues	EB		Hour Totals		WB		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		7	59			6	57				
12:15		3	67			3	52				
12:30		3	55			3	65				
12:45		2	63	15	244	1	59	13	233	28	477
01:00		1	64			1	59				
01:15		2	58			1	49				
01:30		1	66			1	57				
01:45		2	57	6	245	1	38	4	203	10	448
02:00		2	70			1	56				
02:15		2	67			0	47				
02:30		1	65			2	64				
02:45		2	74	7	276	2	73	5	240	12	516
03:00		2	76			2	92				
03:15		6	70			0	71				
03:30		1	70			2	69				
03:45		3	91	12	307	2	65	6	297	18	604
04:00		4	107			2	74				
04:15		7	93			5	87				
04:30		5	92			5	96				
04:45		10	100	26	392	1	89	13	346	39	738
05:00		7	88			6	93				
05:15		11	96			7	89				
05:30		15	95			10	97				
05:45		28	82	61	361	22	80	45	359	106	720
06:00		35	75			15	69				
06:15		39	73			24	47				
06:30		55	40			28	58				
06:45		78	50	207	238	40	36	107	210	314	448
07:00		67	36			38	27				
07:15		83	35			47	34				
07:30		82	38			61	37				
07:45		124	34	356	143	61	22	207	120	563	263
08:00		91	50			59	28				
08:15		75	40			63	28				
08:30		72	27			70	22				
08:45		83	25	321	142	61	24	253	102	574	244
09:00		82	27			60	21				
09:15		70	23			59	12				
09:30		53	24			48	15				
09:45		68	25	273	99	42	14	209	62	482	161
10:00		45	13			38	17				
10:15		43	17			42	10				
10:30		51	9			53	9				
10:45		61	9	200	48	56	3	189	39	389	87
11:00		60	9			47	5				
11:15		31	4			48	12				
11:30		51	6			41	3				
11:45		57	7	199	26	48	6	184	26	383	52
Total		1683	2521			1235	2237			2918	4758
Percent		40.0%	60.0%			35.6%	64.4%			38.0%	62.0%
Grand Total		1683	2521			1235	2237			2918	4758
Percent		40.0%	60.0%			35.6%	64.4%			38.0%	62.0%
ADT		ADT 7,676		AADT 7,676							

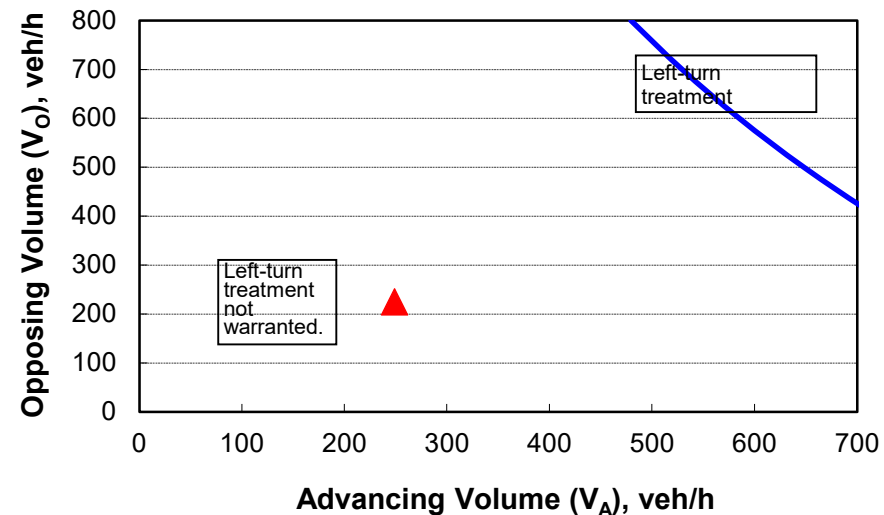
ATTACHMENT C
NCRHP Report 457

Figure 2 - 5. Guideline for determining the need for a major-road left-turn bay at a two-way stop-controlled intersection.**2-lane roadway (English)****INPUT**

Variable	Value
85 th percentile speed, mph:	40
Percent of left-turns in advancing volume (V_A), %:	2%
Advancing volume (V_A), veh/h:	249
Opposing volume (V_O), veh/h:	225

OUTPUT

Variable	Value
Limiting advancing volume (V_A), veh/h:	871
Guidance for determining the need for a major-road left-turn bay:	
Left-turn treatment NOT warranted.	

**CALIBRATION CONSTANTS**

Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9

Figure 2 - 5. Guideline for determining the need for a major-road left-turn bay at a two-way stop-controlled intersection.

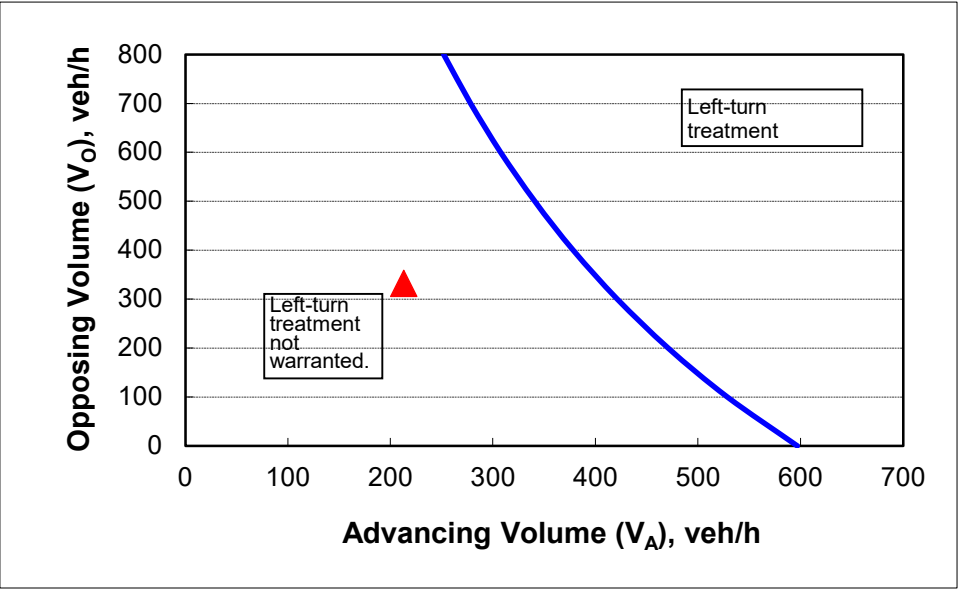
2-lane roadway (English)

INPUT

Variable	Value
85 th percentile speed, mph:	40
Percent of left-turns in advancing volume (V _A), %:	9%
Advancing volume (V _A), veh/h:	213
Opposing volume (V _O), veh/h:	332

OUTPUT

Variable	Value
Limiting advancing volume (V _A), veh/h:	407
Guidance for determining the need for a major-road left-turn bay:	
Left-turn treatment NOT warranted.	



CALIBRATION CONSTANTS

Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9

Figure 2 - 5. Guideline for determining the need for a major-road left-turn bay at a two-way stop-controlled intersection.

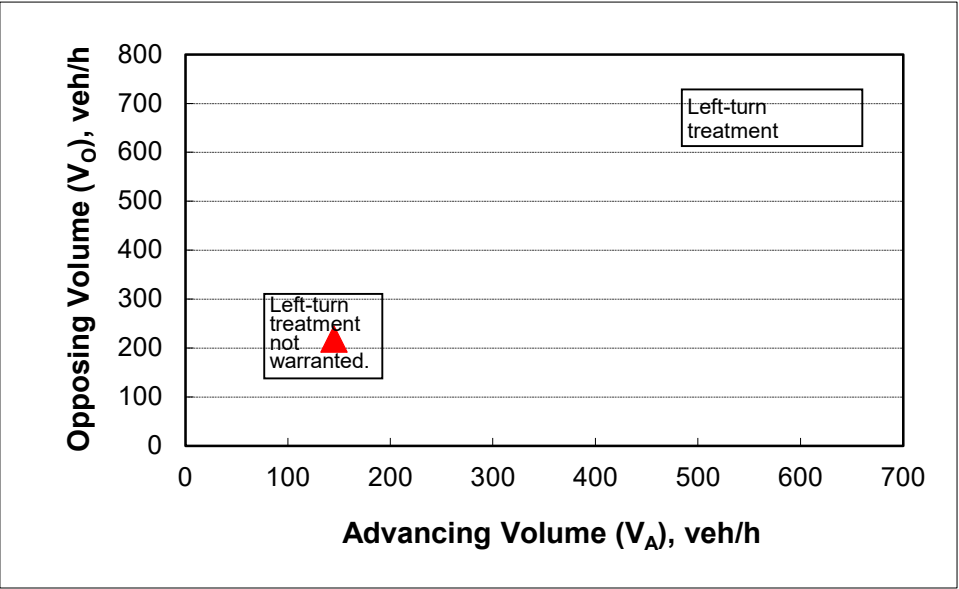
2-lane roadway (English)

INPUT

Variable	Value
85 th percentile speed, mph:	30
Percent of left-turns in advancing volume (V _A), %:	1%
Advancing volume (V _A), veh/h:	145
Opposing volume (V _O), veh/h:	218

OUTPUT

Variable	Value
Limiting advancing volume (V _A), veh/h:	1290
Guidance for determining the need for a major-road left-turn bay:	
Left-turn treatment NOT warranted.	



CALIBRATION CONSTANTS

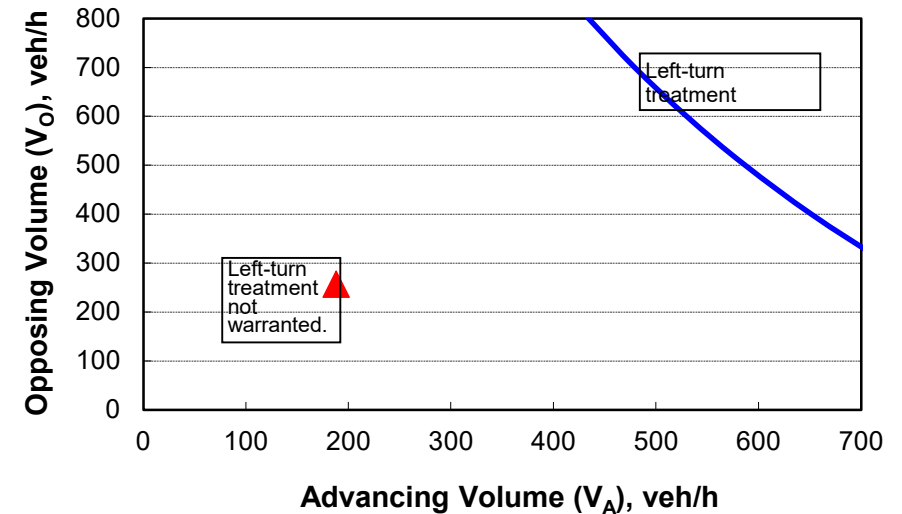
Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9

Figure 2 - 5. Guideline for determining the need for a major-road left-turn bay at a two-way stop-controlled intersection.**2-lane roadway (English)****INPUT**

Variable	Value
85 th percentile speed, mph:	30
Percent of left-turns in advancing volume (V_A), %:	4%
Advancing volume (V_A), veh/h:	188
Opposing volume (V_O), veh/h:	257

OUTPUT

Variable	Value
Limiting advancing volume (V_A), veh/h:	761
Guidance for determining the need for a major-road left-turn bay:	
Left-turn treatment NOT warranted.	

**CALIBRATION CONSTANTS**

Variable	Value
Average time for making left-turn, s:	3.0
Critical headway, s:	5.0
Average time for left-turn vehicle to clear the advancing lane, s:	1.9

Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.

INPUT

Roadway geometry:	2-lane road
Variable	Value
Major-road speed, mph:	40
Major-road volume (one direction), veh/h:	225
Right-turn volume, veh/h:	23

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	724
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Do NOT add right-turn bay.	

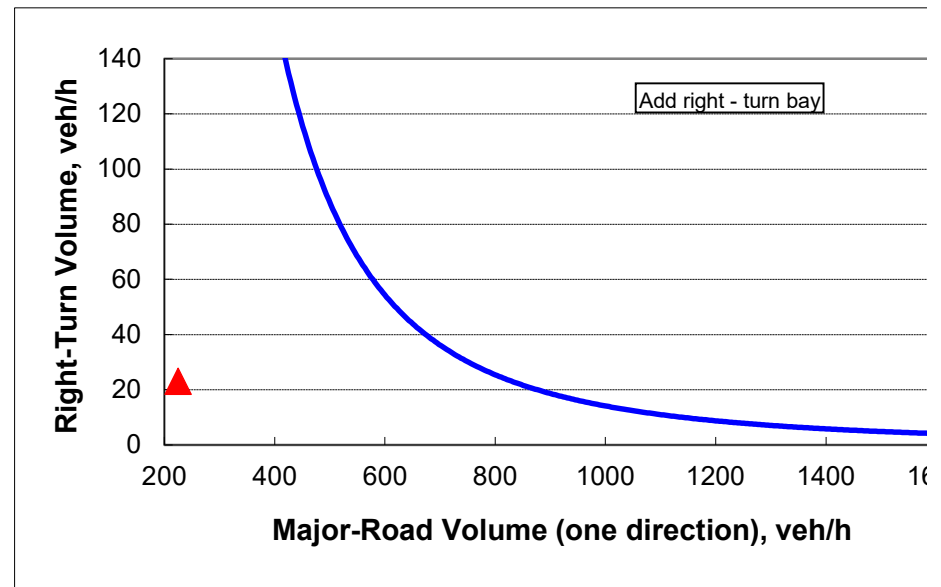


Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.

INPUT

Roadway geometry:	2-lane road
Variable	Value
Major-road speed, mph:	40
Major-road volume (one direction), veh/h:	332
Right-turn volume, veh/h:	68

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	259
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Do NOT add right-turn bay.	

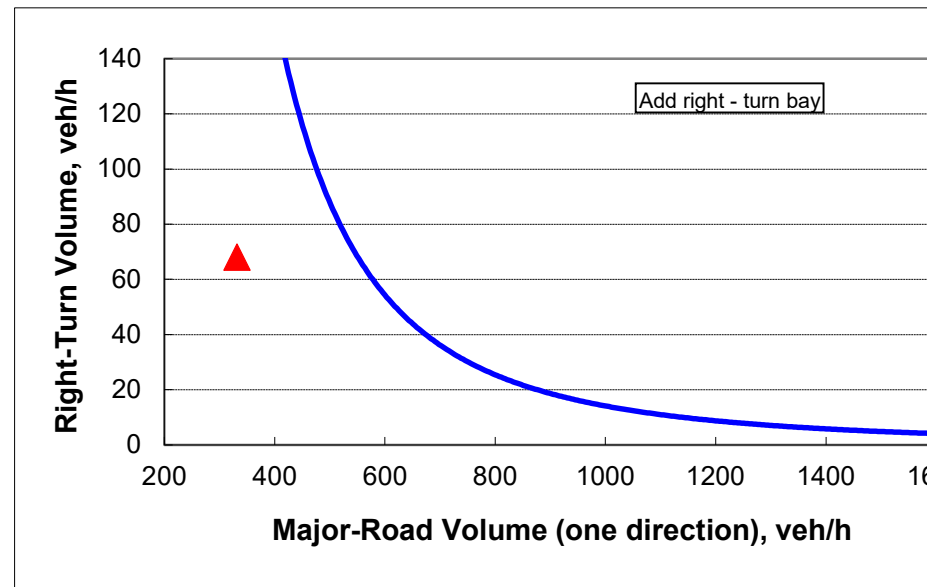


Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.

INPUT

Roadway geometry:	2-lane road
Variable	Value
Major-road speed, mph:	30
Major-road volume (one direction), veh/h:	218
Right-turn volume, veh/h:	11

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	30122
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Do NOT add right-turn bay.	

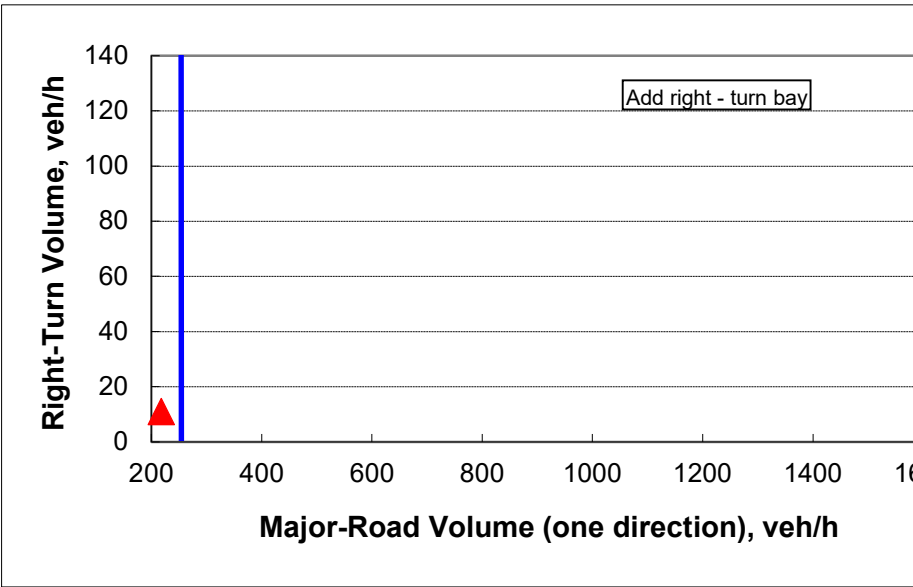


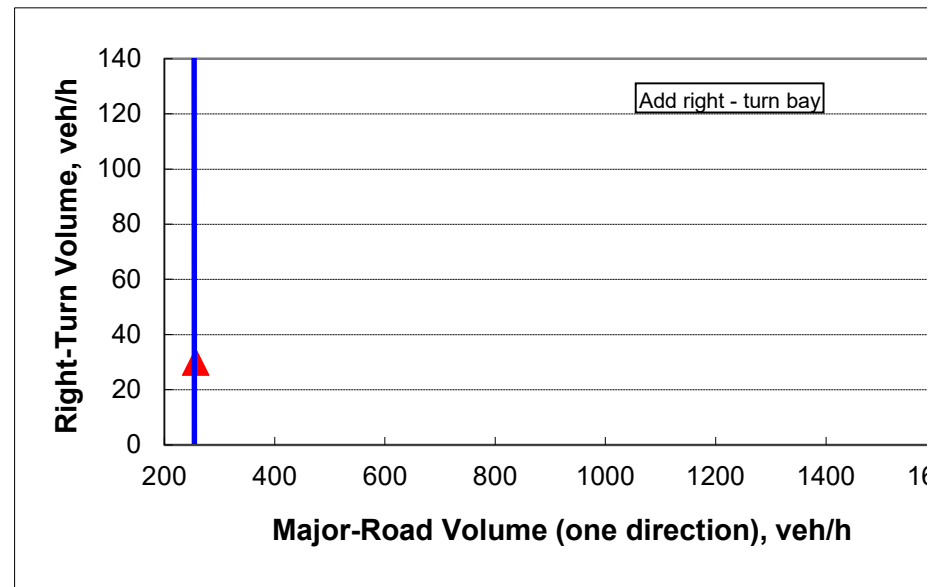
Figure 2 - 6. Guideline for determining the need for a major-road right-turn bay at a two-way stop-controlled intersection.

INPUT

Roadway geometry:	2-lane road
Variable	Value
Major-road speed, mph:	30
Major-road volume (one direction), veh/h:	257
Right-turn volume, veh/h:	30

OUTPUT

Variable	Value
Limiting right-turn volume, veh/h:	13628
Guidance for determining the need for a major-road right-turn bay for a 2-lane roadway:	
Do NOT add right-turn bay.	



ATTACHMENT D

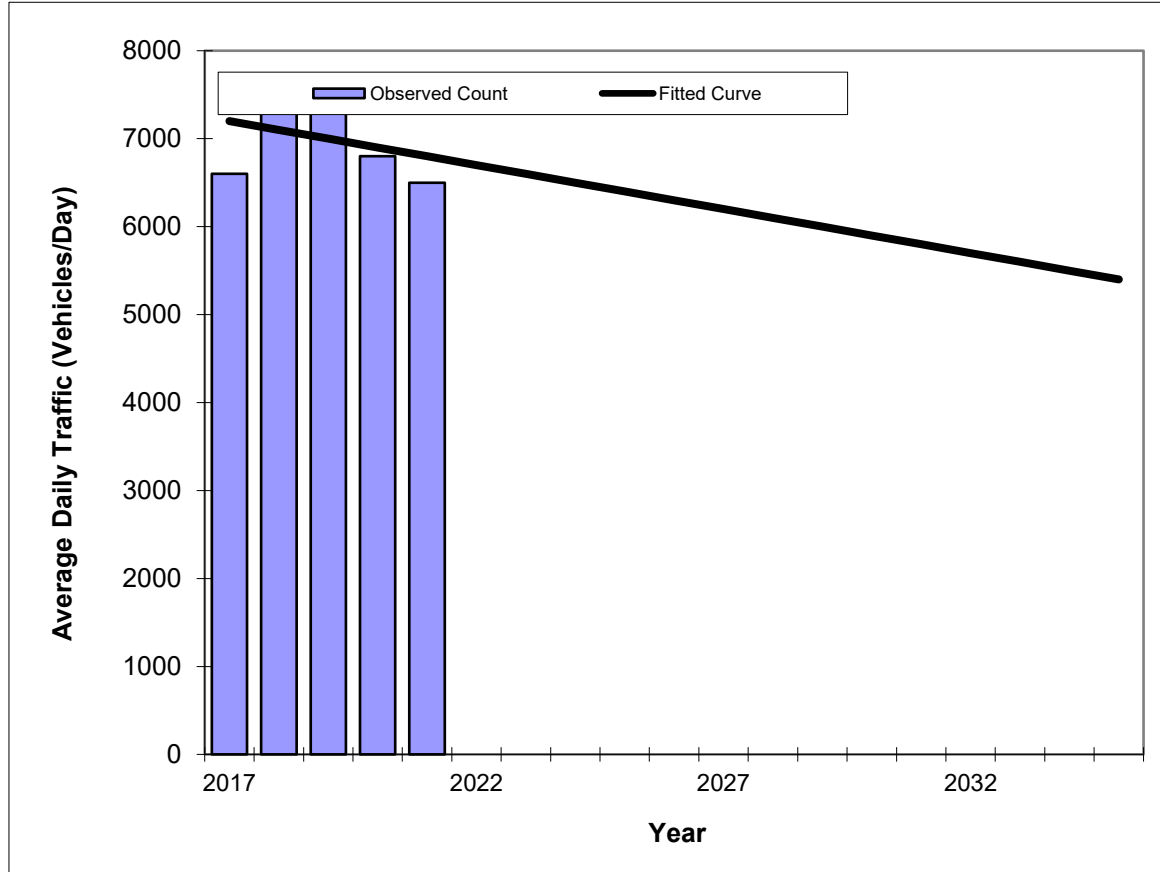
Growth Rates

Traffic Trends - V2.0

PLUCKEBAUM RD -- Clearlake to Fiske

PIN#	0
Location	1

County:	Brevard (70)
Station #:	568
Highway:	PLUCKEBAUM RD



Year	Traffic (ADT/AADT)	
	Count*	Trend**
2017	6600	7200
2018	7600	7100
2019	7300	7000
2020	6800	6900
2021	6500	6800
2022 Opening Year Trend		
2022	N/A	6700
2023 Mid-Year Trend		
2023	N/A	6600
2025 Design Year Trend		
2025	N/A	6400
TRANPLAN Forecasts/Trends		

** Annual Trend Increase:	-100
Trend R-squared:	11.21%
Trend Annual Historic Growth Rate:	-1.39%
Trend Growth Rate (2021 to Design Year):	-1.47%
Printed:	29-Jun-22
Straight Line Growth Option	

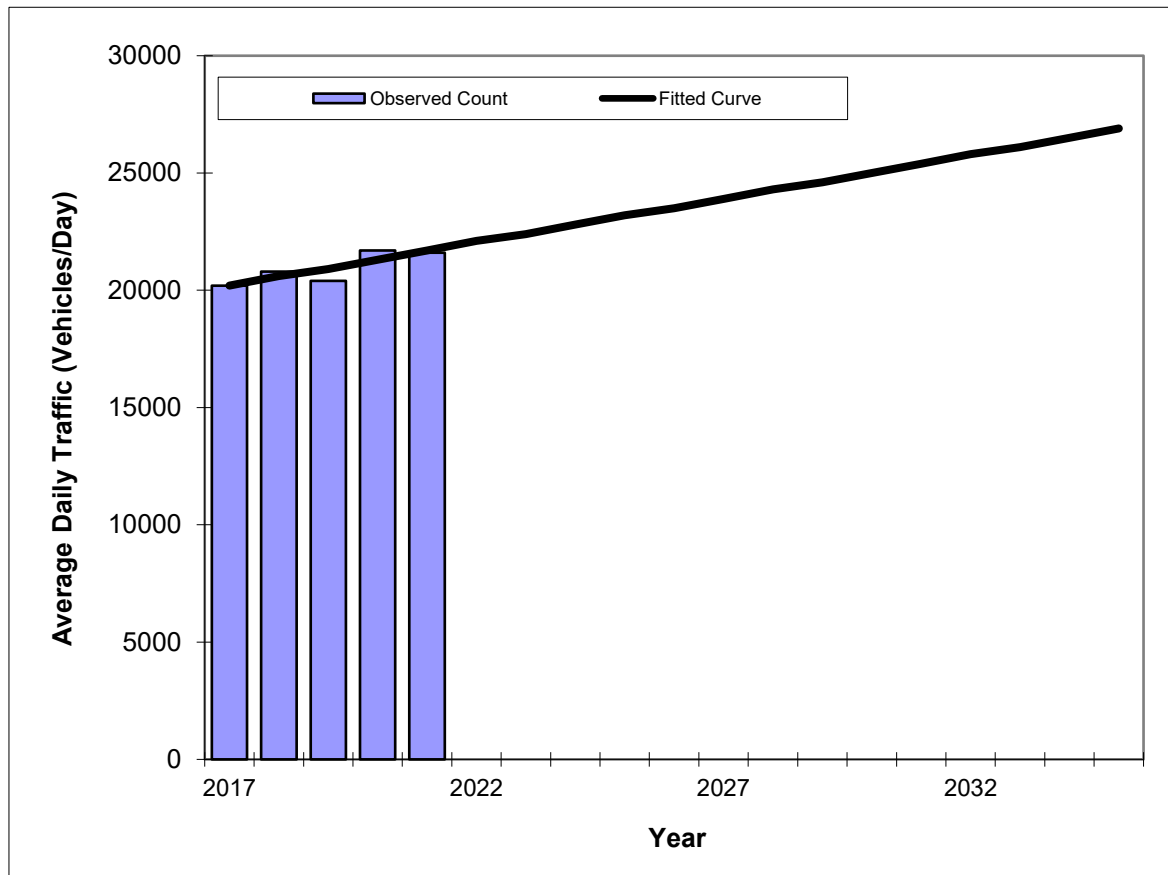
*Axle-Adjusted

Traffic Trends - V2.0

SR 520 -- Clearlake to Lake

PIN#	0
Location	1

County:	Brevard (70)
Station #:	4
Highway:	SR 520



Year	Traffic (ADT/AADT)	
	Count*	Trend**
2017	20200	20200
2018	20800	20600
2019	20400	20900
2020	21700	21300
2021	21600	21700
2022 Opening Year Trend		
2022	N/A	22100
2023 Mid-Year Trend		
2023	N/A	22400
2025 Design Year Trend		
2025	N/A	23200
TRANPLAN Forecasts/Trends		

** Annual Trend Increase:	370
Trend R-squared:	73.13%
Trend Annual Historic Growth Rate:	1.86%
Trend Growth Rate (2021 to Design Year):	1.73%
Printed:	6-Jul-22
Straight Line Growth Option	

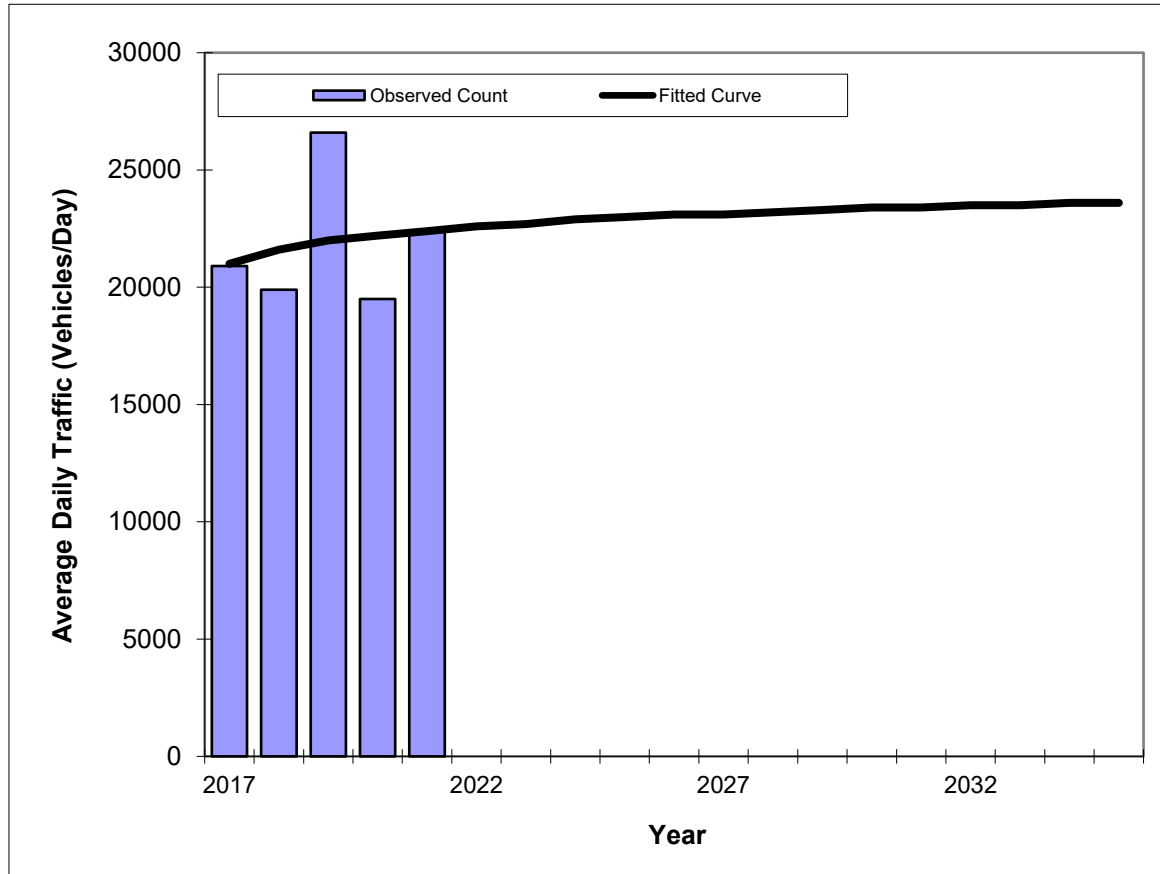
*Axle-Adjusted

Traffic Trends - V2.0

SR 520 -- Range to Clearlake

PIN#	0
Location	1

County:	Brevard (70)
Station #:	14
Highway:	SR 520



Year	Traffic (ADT/AADT)	
	Count*	Trend**
2017	20900	21000
2018	19900	21600
2019	26600	22000
2020	19500	22200
2021	22400	22400
2022 Opening Year Trend		
2022	N/A	22600
2023 Mid-Year Trend		
2023	N/A	22700
2025 Design Year Trend		
2025	N/A	23000
TRANPLAN Forecasts/Trends		

Trend R-squared:	3.91%
Compounded Annual Historic Growth Rate:	1.63%
Compounded Growth Rate (2021 to Design Year):	0.66%
Printed:	29-Jun-22
Decaying Exponential Growth Option	

*Axle-Adjusted

WALKING TRAILS



YOU ARE HERE

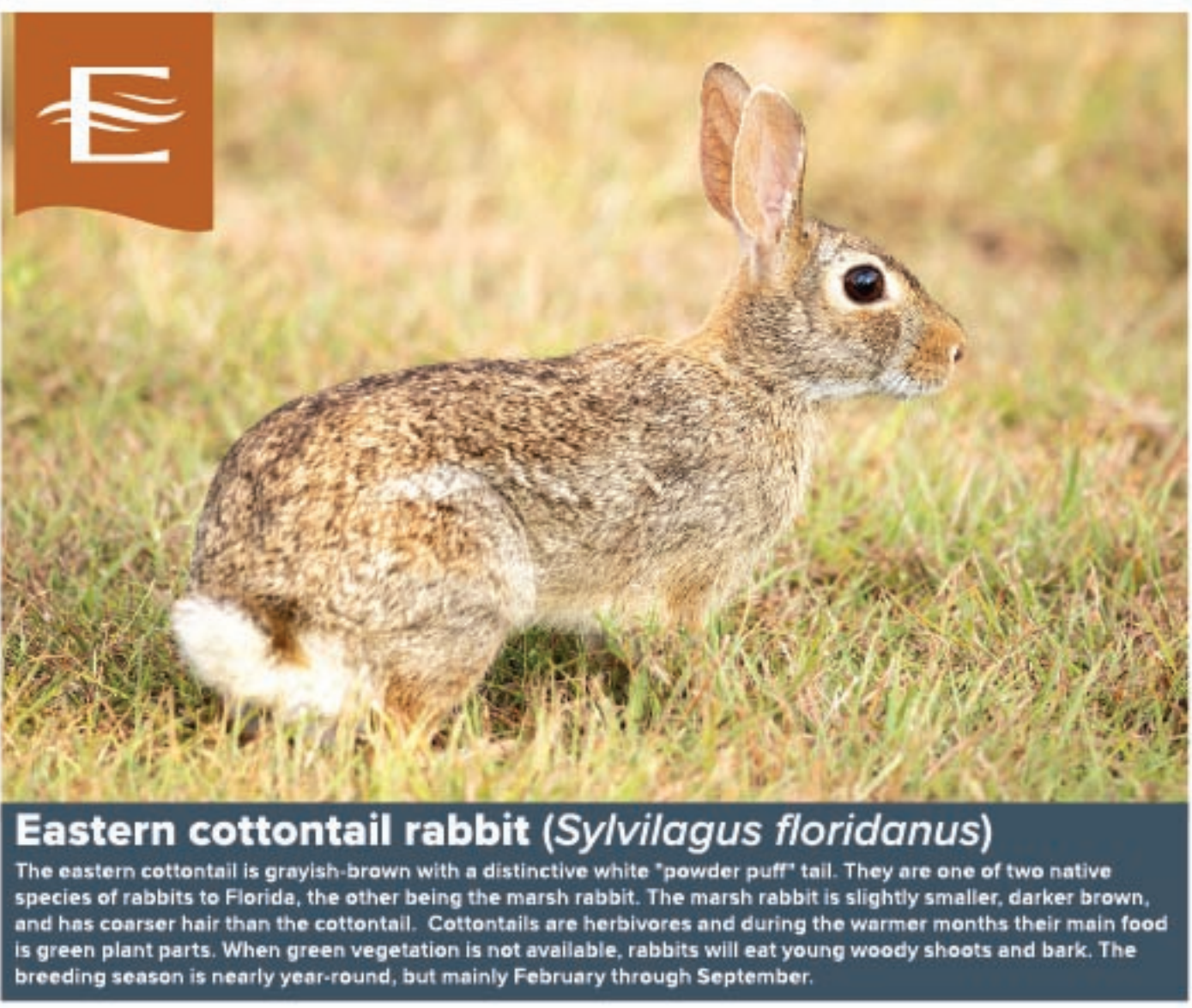
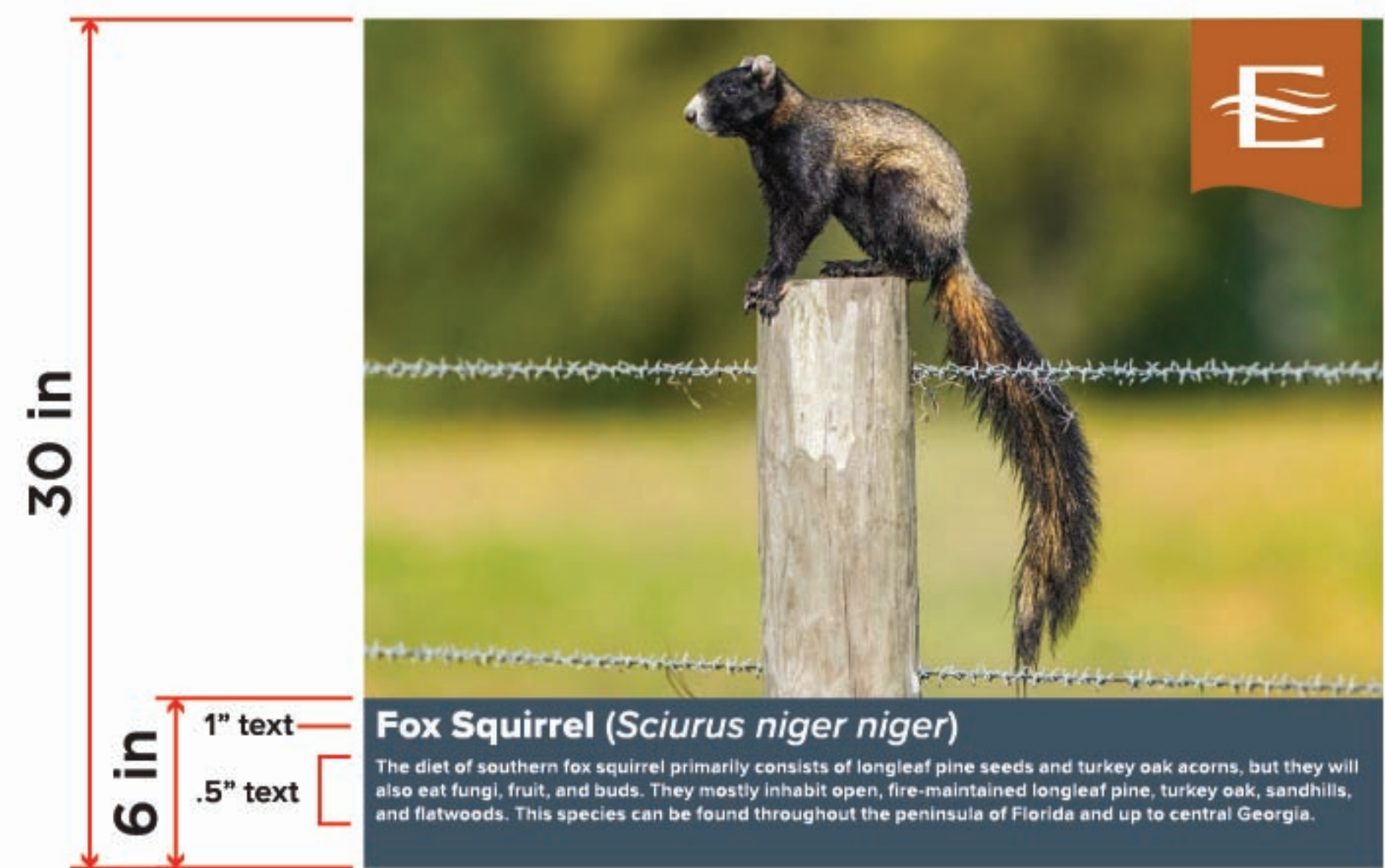
- Trail A 1.0 miles
- Trail B 1.0 miles
- Trail C 1.0 miles
- Trail D 1.0 miles

- | | |
|------------------------|-----------------|
| 1 Wetland Viewing Area | 10 Spring Creek |
| 2 Canyonside | 11 Spring Creek |
| 3 Sand Cliffs | 12 Spring Creek |
| 4 Large Day Palm | 13 Spring Creek |
| 5 Chaco Valley | 14 Canyonside |
| 6 Wetland Bank | 15 Chaco Valley |
| 7 Spring Lake | 16 Chaco Valley |
| 8 Chaco Valley | 17 Spring Lake |
| 9 Spring Lake | |



 THE TIMBERS OF EVERLAND

LARGER/NEW LAYOUT

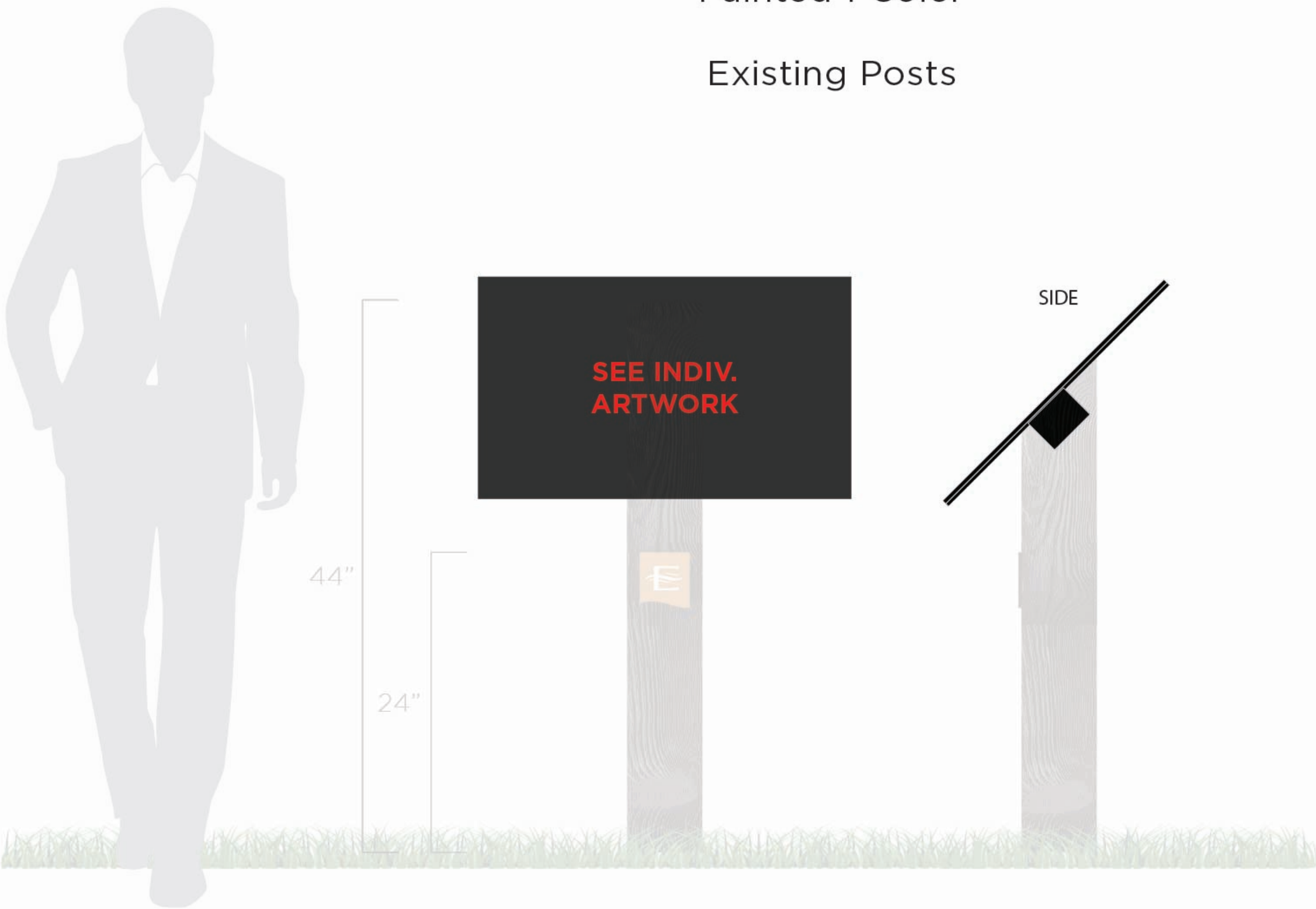


Trail Sign - Informational

Qty: 8 (1 of Each)
36"x30" Digital Print (IJ180)
w/ 3M8520 Matte Lam
on 3mm Dibond

Mounted on
36"x30" - 1/4" Alum Backer
FOR SCREWLESS FACE
Welded to (2) 3"x3"x4" - Alum L-Brackets
Painted 1 Color

Existing Posts



Front View

Side View

PRINT

PANTONE
471 C

PAINT

BLACK
SATIN

PANTONE
7545 C

wo.384626 v.09.30.24

Lennar - Palm Atlantic Land - Timbers at Everlands

Trail Signs - Nature Walk

February 14, 2025

City of Cocoa
Planning & Zoning Division
65 Stone Street
Cocoa, FL 32922



**Re: Preserve at Pluckebaum – City of Cocoa, Brevard County, FL
Preliminary Development Plan Review
Response to Comments dated February 6, 2025**

ENVIRONMENTAL
PLANNING
DESIGN &
PERMITTING

Dear Staff:

This information is provided in response to the February 6, 2025 comments issued by the City of Cocoa for the Preliminary Development Plan review for the Preserve at Pluckebaum. The responses below are partial, and should be considered in conjunction with responses provided by the project engineer, B.S.E. Consultants, Inc.

- 2. Wetland Impacts. Staff appreciates inclusion of the Environmental Report in the resubmittal materials. Staff remains concerned about the extent of impacts to wetlands which are noted in the Environmental Report with regard to compliance with the City's Comprehensive Plan Policies related to wetland impacts and impacts to habitat for endangered species, i.e. the wood stork. It is noted in the Applicant's response and Environmental Report that the wetlands are "low quality." Is this due to exotic infestation? If so, please assign a percentage of exotic infestation on the FLUCFCS map to provide data supporting that finding.**

To address the City's concerns regarding impacts to habitat for endangered species, such as the wood stork, detailed information on the multiple site inspections and wildlife surveys conducted by Modica & Associates ("M&A") is provided herein. M&A has conducted more than 25 site inspections on the project site, beginning in February 2022 and continuing through December 2024. The wood stork was the only protected species of wildlife that was observed on the project site during any of these site inspections.

Because the wetlands are federally jurisdictional, a permit authorizing impact to the wetlands and any federally protected species of wildlife is required from the U.S. Army Corps of Engineers ("ACOE"). Federally jurisdictional wetlands are regulated under Section 404 of the Clean Water Act ("CWA"). Additionally, when there is a federal nexus to evaluate the potential effects that a project may have on federally protected species of wildlife, consultation with the USFWS is initiated by the ACOE through Section 7 of the Endangered

Species Act (“ESA”). The wood stork is a federally protected species, and therefore it is the responsibility of the ACOE to initiate technical assistance with the USFWS under Section 7 ESA to obtain concurrence on the effect determination made for any federally protected species of wildlife for this project.

On January 29, 2025, the ACOE published the Public Notice (“PN”) for the Preserve at Pluckebaum (**Exhibit A**). On page 2 of the PN, the ACOE provides the following statement regarding endangered species:

ENDANGERED SPECIES: The proposed project site may contain suitable habitat for the federally listed wood stork (*Mycteria americana*), Eastern indigo snake (*Drymarchon couperi*), and Audubon’s crested caracara (*Polyborus plancus audubonii*). No federally listed plant species were identified. Based on this information, the proposed project may affect but is not likely to adversely affect the federally listed species identified above. The Corps will request U.S. Fish and Wildlife Service concurrence with this determination pursuant to Section 7 of the Endangered Species Act.

The PN is published for a period of 21 days, during which other federal agencies can provide comments on the project. The PN expires on February 20, 2025, and no comments have been received from any agency.

The ACOE made the determination that site development is not likely to adversely affect the wood stork, eastern indigo snake and Audubon’s crested caracara and initiated consultation with USFWS through the Section 7 process. It should also be noted that the wetland mitigation credits to be purchased as compensation for the proposed wetland impacts, also include credits for impact to SFH for the wood stork. No further permitting is required for these species.

To address the City’s comments on wetland quality, an updated FLUCFCS Map is included as **Exhibit B**, and details the estimated coverage of nuisance and exotic vegetation present within the wetland systems. All wetlands present in the eastern half of the project site have 90% coverage of Brazilian pepper (*Schinus terebinthifolius*). The eastern third of the wetlands in the western half of the project site have 90% coverage of Brazilian pepper and Australian pine (*Casuarina equisetifolia*). With exception of the two areas of wetlands proposed for preservation, as described in the paragraph below, the remainder of the wetlands in the western half of the project are dominated with bahia grass (*Paspalum notatum*), torpedo grass (*Panicum repens*), primrose willow (*Ludwigia peruviana*), penny wort (*Hydrocotyle umbellata*) and bermuda grass (*Cynodon dactylon*).

There are two areas of wetlands within the western half of the project that are proposed for preservation. These two areas represent the “higher quality” areas of wetlands on the project site. These herbaceous portions of the wetland are

vegetated with pickerelweed (*Pontederia cordata*), alligator weed (*Alternanthera philoxeroides*) and southern cut grass (*Leersia hexandra*), and also contain torpedo grass, primrose willow, soft rush (*Juncus effusus*) and road grass (*Eleocharis* sp.).

Brazilian pepper, Australian pine, primrose willow and torpedo grass are all classified as “Category I” invasive species by the Florida Invasive Species Council (“FISC” 2023). The FISC identifies invasive plants as Category I “when they are altering native plant communities by displacing native species” and “changing community structures or ecological functions.” Category I is the highest level, indicating the most concerning species. The wetland preservation areas also contain some of these invasive plants, but in lesser quantities.

The entire project site was historically under agricultural production for more than 80 years. Water was actively pumped from the property, and native vegetative communities haven’t been present since that time. In fact, the majority of the wetlands are only classified as wetlands because of the presence of hydric soils which have generated since the pumping has ceased, not the presence of wetland vegetation. The presence and extent of the invasive plants throughout the wetlands increased significantly when citrus production and land management ceased. Because of the monocultures and dominance of these invasive plants throughout the wetlands, it can be stated that native communities do not exist, community structure has been significantly altered, and native species have been displaced by invasive plants.

The quality of wetlands is evaluated in the State of Florida by using the Uniform Mitigation Assessment Method (“UMAM”), as outlined in Chapter 62-345 F.A.C. Wetlands are scored on a scale of 1 to 10, with 1 being the lowest score possible, and 10 being the highest score possible, for three categories: Location & Landscape Support, Hydrology, and Community Structure. The total score awarded to a wetland system is divided by 30, to determine the functional value of the system (final functional value may range between 0.10 and 1.0).

The UMAM rule (Chapter 62-345 F.A.C.) does not quantify wetlands as low, moderate or high quality, but provides specific guidance on characteristics for scores of 10, 7 and 4 for each of the three categories being evaluated. As a general rule of thumb, wetlands that score 0.75 or higher may be considered high quality wetlands, a score between 0.50 and 0.75 may be considered moderate quality, and a score of 0.50 or below is generally considered low quality.

The UMAM scores submitted to SJRWMD for the project ranged between 0.20 and 0.33, which by any definition should equate to low quality. This low score is based on the infestation of invasive vegetation, altered hydrology and lack of

wildlife connectivity. Given this information, the proposed Site Plan is consistent with this sub policy and the objectives of the future land use category.

Please tie in all available data and analysis to bolster compliance with the Comprehensive Plan including, but not limited to, Objective 12.1.6 and its sub-policies, and Objective 12.1.9 and its sub-policies. Please also address Objective 12.1.5 and supportive policies relating to protection of endangered species.

To address this comment, the Objectives and some relevant sub policies referenced are written out for reference:

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.*

As presented above, the project site does not contain “native vegetation communities.” The project site consists of land that was under agricultural production for more than 80 years, and is now vegetated almost entirely with Category I invasive plant species. In fact, Policy 12.1.6.8 states that “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: ...Australian pine, Brazilian pepper.”

The project site is identified as Very Low Density Residential on the Future Land Use Map, and the two areas of wetland currently proposed for preservation are indicated as Conservation on the Future Land Use Map. The Very Low Density Residential future land use category allows for 4 dwelling units per acre. Policy 1.1.2.2 of the Future Land Use Element states that the Very Low Density Residential areas will consist of single family detached housing.

The Site Plan as currently proposed is consistent with Objective 12.1.6 and its sub policies, as the proposed use is consistent with Future Land Use Element, and there are no native vegetation communities onsite to target for preservation. Additionally, the proposed development will remove the Category I invasive plant species, consistent with Policy 12.1.6.8.

Additional sub policies to Objective 12.1.6 require protection of rare and unique habitats, habitats of protected species of wildlife (i.e. gopher tortoises, eagles, alligators, etc.), and protection of endangered ecosystems. As presented above, and as outlined in the previously provided ecological report prepared by M&A, the project site does not

contain rare and unique habitats, protected species of wildlife or endangered ecosystems. The ACOE has made a determination that site development “is not likely to adversely affect” the wood stork, eastern indigo snake, or Audubon’s crested caracara. No permitting for these species is required, and the proposed development is consistent with these sub policies.

Policy 12.1.6.15 (D) (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.”*

An Environmental Resource Permit (“ERP”) application was submitted to SJRWMD on August 17, 2022. District Staff conducted a site inspection to review the wetland lines and UMAM scores on November 21, 2022. The UMAM rule (Chapter 62-345 F.A.C.) does not quantify wetlands as low, medium or high quality, but provides specific guidance on characteristics for scores of 10, 7 and 4 for each of the three categories being evaluated. As a general rule of thumb, wetlands that score 0.75 or higher may be considered high quality wetlands, a score between 0.50 and 0.75 may be considered moderate quality, and a score of 0.50 or below is generally considered low quality.

The UMAM scores submitted to SJRWMD ranged between 0.20 and 0.33, which by any definition should equate to low quality. Given this information, the proposed Site Plan is consistent with this sub policy and the objectives of the future land use category.

Lastly, the proposed mitigation plan to offset adverse impacts to wetlands consists of purchasing in-kind credits from the Lake Washington Mitigation Bank (“LWMB”). The LWMB is located in Brevard County and within the same SJRWMD Drainage Basin (Southern St. Johns River). Accordingly, the project site as currently proposed is consistent with Policy 12.1.6.15.

Objective 12.1.9: Floodplain Management

Please refer to responses prepared by B.S.E. Consultants, Inc.

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.

The only protected species of wildlife identified on the project site has been the wood stork. The SJRWMD has provided a copy of the ERP application to FWC for review and comment, and the ACOE has initiated formal consultation with the USFWS for comment on protected species of wildlife. In the ACOE's PN, they made a determination that the proposed development "is not likely to adversely affect" the wood stork, eastern indigo snake or Audubon's crested caracara. The project site does not contain suitable habitat for gopher tortoises, nor any other state or federally protected species of wildlife. No formal wildlife permitting is required for this site. The proposed development will not result in impact to protected species of wildlife and is consistent with this Objective.

Staff encourages the Applicant to evaluate the development footprint and consider alternative dwelling types, such as attached product, in certain areas to maintain the desired density/unit count, while demonstrating intent of minimizing and avoiding impacts to environmentally sensitive areas and native species habitat.

Both the SJRWMD and the ACOE require extensive evaluations of a project design for "reduction and elimination" and "avoidance and minimization" of impact to wetlands and aquatic resources, respectively, during the permit application review process. The concept of alternative dwelling types was considered by the Applicant and Project Engineer very early in the design process. The concept of townhomes was discussed with the City, and the City indicated that townhomes would not be a desirable dwelling type for this project. The Site Plan incorporates a mixture of 40-foot and 50-foot lots to allow for the required density to make the project financially viable, while also balancing some wetland preservation, required stormwater management facilities and open space requirements.

As discussed in the above responses, the quality of the on-site wetlands is very low because of the extensive presence of nuisance and exotic vegetation, including monocultures of Brazilian pepper and Australian pines. Additionally, these wetlands were under agricultural production for more than 80 years; confirmation of citrus and row crop production can be seen on aerial imagery as early as 1943 (**Exhibit C**).

Please provide additional information regarding status of environmental permitting with the state agencies, and evidence of their acceptance of the proposed mitigation plans for the impacts to wetlands/endangered species habitat. Input from SJRWMD and USFWS may be helpful to Staff in evaluating the

proposed PUD site plan/design. Any studies necessary to obtain an incidental take permit under the Endangered Species Act may be submitted to the City for purposes of demonstrating compliance with Policy 12.1.6.6 of the Comprehensive Plan. The City notes the Florida Fish & Wildlife Conservation Commission does not issue incidental take permits for wood stork, and the Developer will need to seek guidance from USFWS.

An ERP application was submitted to SJRWMD on August 17, 2022. District Staff conducted a site inspection to review the wetland lines and UMAM scores on November 21, 2022. Negotiation of the final UMAM scores is underway, and it is anticipated that the final scores will be close to the initially proposed scores of 0.20 to 0.33. The proposed mitigation consists of purchasing credits from the LWMB, which is an in-basin, District-approved wetland mitigation bank, and SJRWMD has indicated that this is an acceptable plan. The most recent Request for Additional Information (“RAI”) issued by SJRWMD acknowledges that the UMAM scores are being negotiated, and requests that a reservation letter be provided once the final scores are approved.

On January 29, 2025, the ACOE published the PN for the Preserve at Pluckebaum. The PN offers the following statement regarding the proposed wetland mitigation plan:

COMPENSATORY MITIGATION: To offset the loss of 48.5 acres of wetlands the applicant is proposing to purchase 13 wetland mitigation credits from the Lake Washington Mitigation Bank.

Incidental take permitting is not required on any level. Both FWC and USFWS have been consulted, and no species-specific permitting is required. Please refer to **Exhibit A** for the ACOE’s PN.

The information provided herein, considered in conjunction with the responses prepared by B.S.E. Consultants, Inc. should provide reasonable assurance that the project as designed is consistent with all Objectives and sub policies of the City’s Comprehensive Plan, as well as in compliance with state and federal regulations.

Sincerely,



Amanda Walter
Project Manager
Amanda@Modica.cc

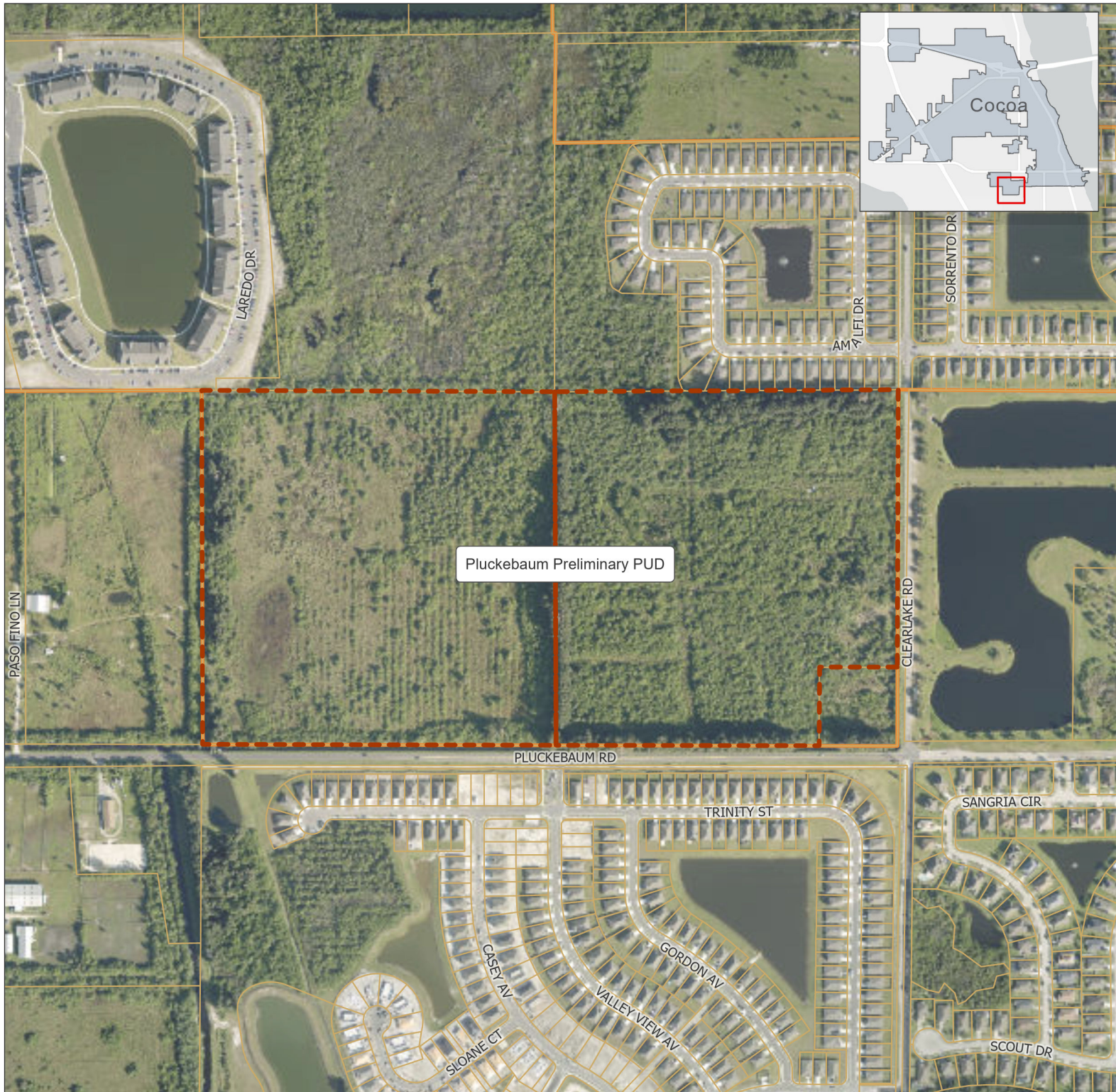
cc: Elaine Imbruglia, Modica and Associates, Inc. (via email)

EXHIBITS

- Exhibit A ACOE Public Notice
- Exhibit B FLUCFCS Map with % Coverage of Invasive Species
- Exhibit C Historical Aerial Imagery

References:

Florida Invasive Species Council. 2023. List of Invasive Plant Species.
(<https://www.floridainvasives.org/plant-list/2023-invasive-plant-species/>)



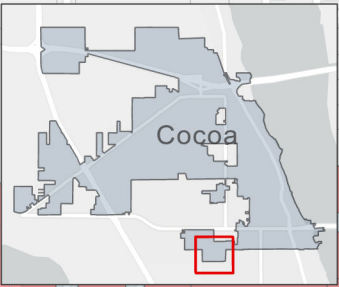
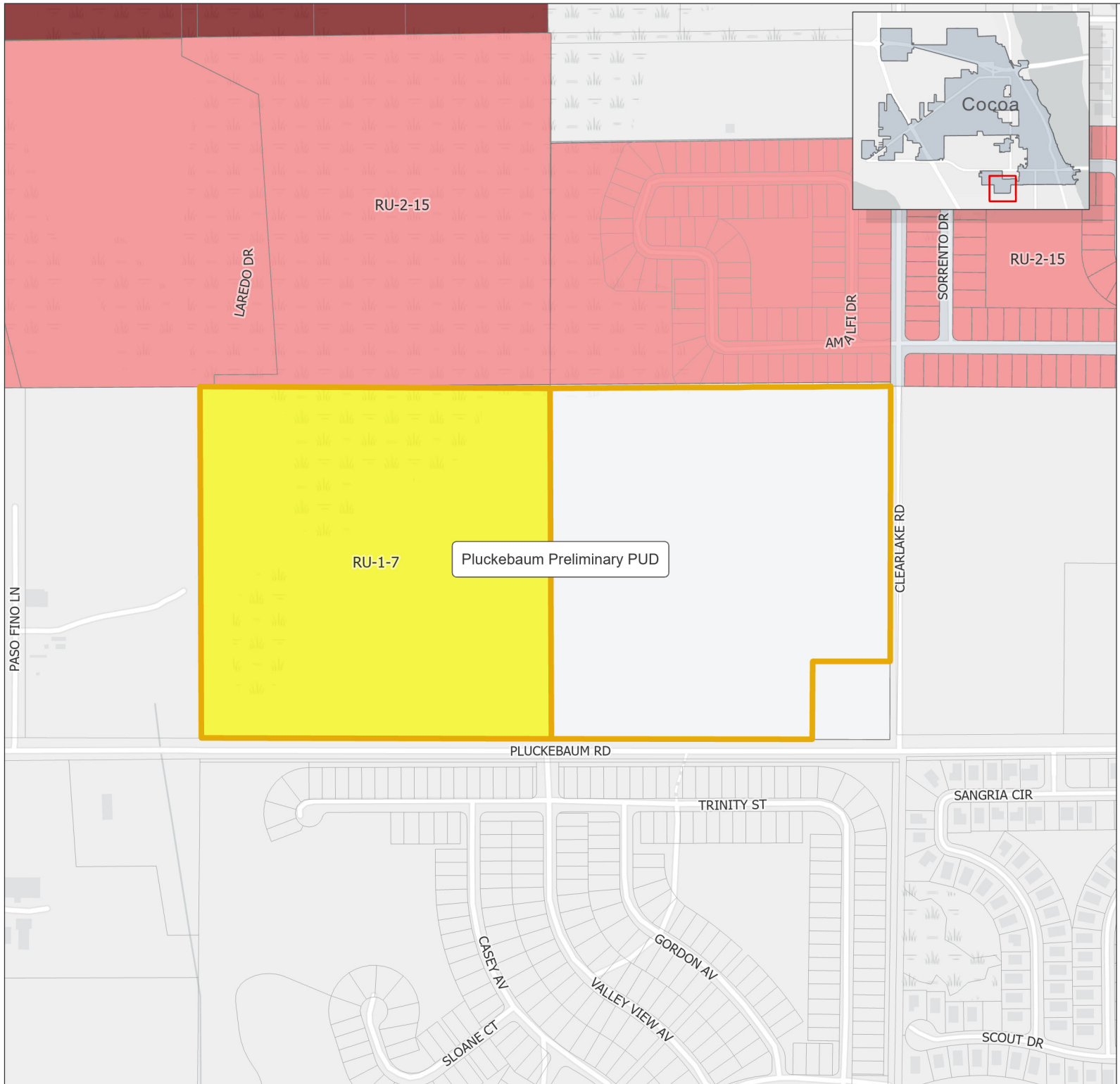
PLUCKEBAUM PRELIMINARY PUD LOCATION

April 28, 2025

-  Subject Parcels
-  Parcels
-  Cocoa City Boundary

0 250 500 Feet

P20250424-172001.0.1



PLUCKEBAUM
PRELIMINARY PUD
ZONING

April 28, 2025

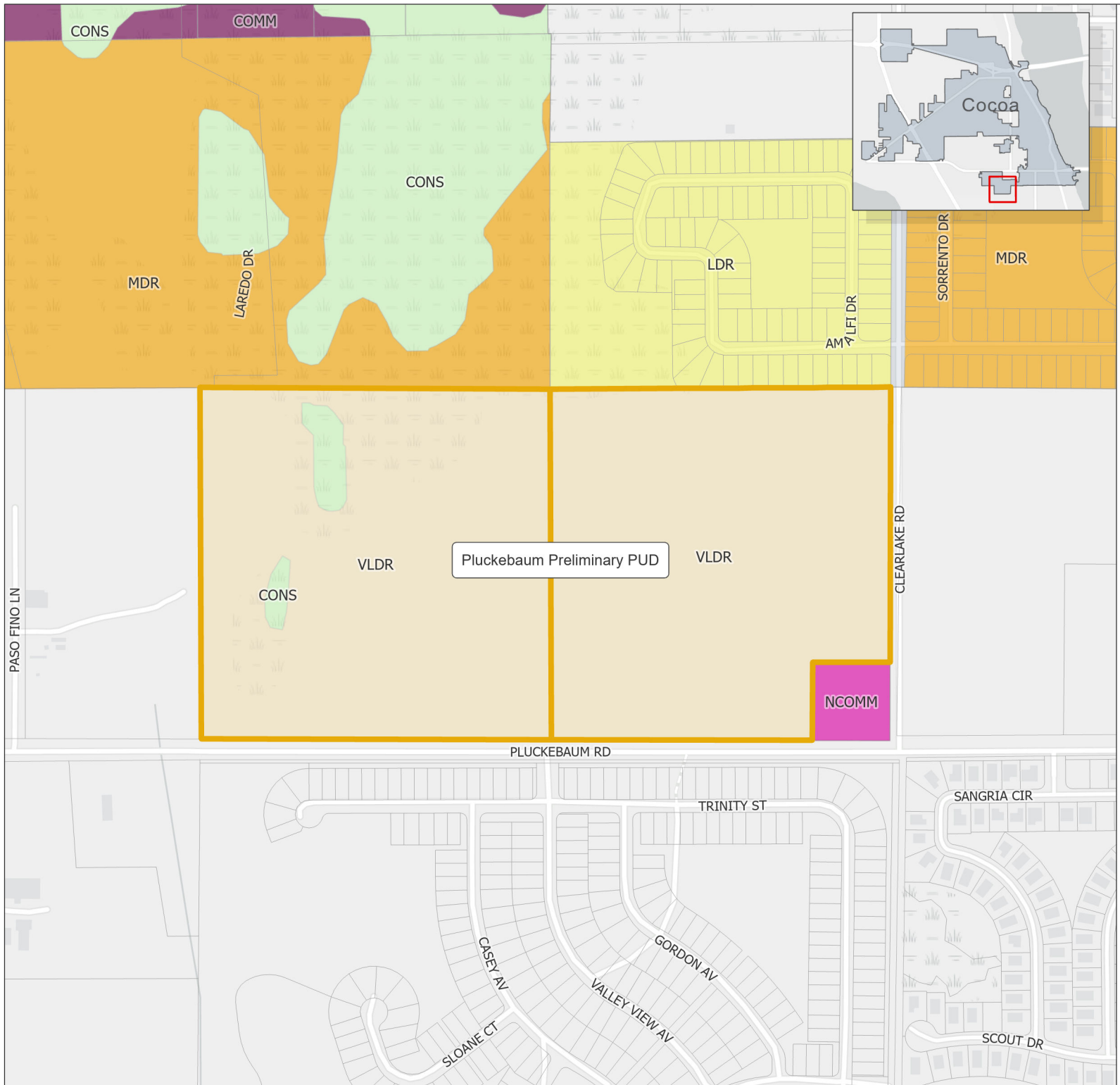
 Subject Parcels

Cocoa Zoning

-  RR-1- Rural Residential
-  RU-1-7 - Single-Family Residential
-  RU-2-15 - Multiple Family Dwelling
-  C-W - Wholesale Commercial
-  Zoning Not Assigned
-  Parcels
-  Cocoa City Boundary

0 250 500 Feet

P20250424-172001.0.2



PLUCKEBAUM PRELIMINARY PUD FUTURE LAND USE

April 28, 2025

 Subject Parcels

Future Land Use

-  Very Low Density Residential
-  Low Density Residential
-  Medium Density Residential
-  Neighborhood Commercial
-  Commercial
-  Conservation
-  Parcels
-  Cocoa City Boundary

0 250 500 Feet

P20250424-172001.0.3



Florida

PO Box 631244 Cincinnati, OH 45263-1244

GANNETT

AFFIDAVIT OF PUBLICATION

Kimberly Ravenscroft
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 Govt Public Notices, was published on the publicly accessible website of Brevard County, Florida, or in a newspaper by print in the issues of, on:

04/22/2025

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 04/22/2025

Legal Clerk

Notary, State of WI, County of Brown

My commission expires

Publication Cost:	\$211.07	
Tax Amount:	\$0.00	
Payment Cost:	\$211.07	
Order No:	11242884	# of Copies:
Customer No:	1127247	1
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THIS IS NOT AN INVOICE!

Please do not use this form for payment remittance.

VICKY FELTY
Notary Public
State of Wisconsin

ad#11242884 04/22/25

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:
PZ24-07000006 PLUCKEBAUM
PLANNED UNIT DEVELOPMENT
(PRELIMINARY)
Consideration of a Preliminary
Planned Unit Development (PUD)
consistent with Appendix A, Zoning,
Article XI, Section 17, for a 230
single-family residential subdivision
on +/- 76.21 acres of property
located at the northwest corner of
Pluckebaum Road and Clearlake
Road in the City of Cocoa.

PLANNING & ZONING BOARD/
LOCAL PLANNING AGENCY
PUBLIC HEARING WILL BE
HELD ON
May 7, 2025
CITY COUNCIL PUBLIC HEAR-
ING WILL BE HELD ON
May 27, 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:

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CITY COUNCIL AGENDA ITEM

Memo Date: May 16, 2025
Agenda Date: May 27, 2025
File ID: 2025-480
Prepared By: Stockton Whitten, City Manager
Through: Alexis Crespo, Planning Consultant, RVi
Requested Action: Request to postpone consideration of Ordinance No. 01-2025 Visioning Four Corners Overlay Comprehensive Plan Text Amendment [Postpone to July 8th Regular Council Meeting at 6pm]

BACKGROUND:

At the request of the City Manager, in order to provide more time for stakeholder input, the item will be continued to the regular City Council Meeting scheduled for July 8th, 2025 at 6pm.

PRIORITY AREA CONNECTION:

Economic and Community Development

BUDGETARY IMPACT:

N/A

PREVIOUS ACTION:

RECOMMENDED MOTION:

Request to postpone consideration of Ordinance No. 01-2025 Visioning Four Corners Overlay Comprehensive Plan Text Amendment [Postpone to July 8th Regular Council Meeting at 6pm]

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:

LARGE SCALE COMPREHENSIVE PLAN TEXT AMENDMENT | ORD 01-2025

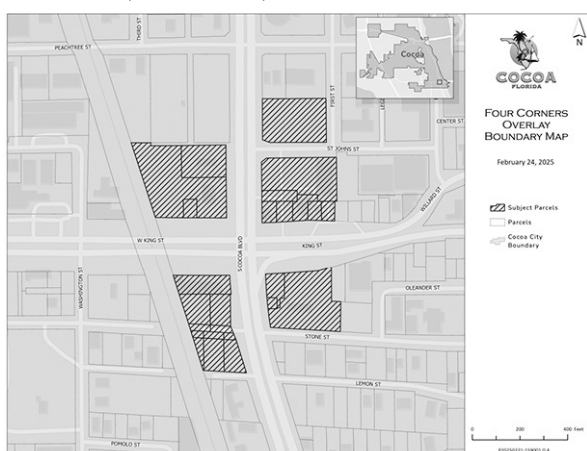
AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF COCOA, BREVARD COUNTY, FLORIDA, ADOPTING A LARGE SCALE COMPREHENSIVE PLAN TEXT AMENDMENT; AMENDING FIGURE FLU-1 SET FORTH IN THE FUTURE LAND USE ELEMENT TO PROVIDE THAT THE COMMERCIAL PARKWAY ZONING DISTRICT WITHIN THE FOUR CORNERS OVERLAY DISTRICT IS AN ALLOWABLE ZONING DISTRICT IN THE MIXED USE FUTURE LAND USE CATEGORY; PROVIDING DATA AND ANALYSIS AND THE LEGAL BASIS SET FORTH IN THE RECITALS TO SUPPORT THE PROPOSED COMPREHENSIVE AMENDMENT; PROVIDING FOR THE REPEAL OF PRIOR INCONSISTENT ORDINANCES AND RESOLUTIONS, INCORPORATION INTO THE COMPREHENSIVE PLAN, SEVERABILITY, AND AN EFFECTIVE DATE AND LEGAL STATUS OF THE PLAN AMENDMENT.

LAND DEVELOPMENT REGULATIONS AMENDMENT | ORD 02-2025

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF COCOA, BREVARD COUNTY, FLORIDA; AMENDING APPENDIX A, ZONING, ARTICLE XI OF THE CODE OF THE CITY OF COCOA, CREATING AND ADOPTING THE FOUR CORNERS OVERLAY DISTRICT; PROVIDING FOR ITS PURPOSE AND APPLICABILITY; ESTABLISHING PERMITTED, SPECIAL EXCEPTION, AND PROHIBITED USES; PROVIDING FOR PERFORMANCE STANDARDS, INCLUDING SETBACKS, PARKING, LANDSCAPING, AND SIGNAGE REQUIREMENTS; ESTABLISHING BUILDING DESIGN STANDARDS; ESTABLISHING THE BOUNDARIES OF THE FOUR CORNERS OVERLAY DISTRICT, PARTICULARLY DEPICTED AND DESCRIBED ON EXHIBIT "A" ATTACHED HERETO; PROVIDING FOR THE REPEAL OF PRIOR INCONSISTENT ORDINANCES AND RESOLUTIONS, INCORPORATION INTO THE CODE, SEVERABILITY, AND AN EFFECTIVE DATE.

CONSISTING OF THE FOLLOWING TAX ID NUMBERS:

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AND THE FOLLOWING:

ALCOHOLIC BEVERAGE ORDINANCE AMENDMENT | ORD 04-2025

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF COCOA, BREVARD COUNTY, FLORIDA; AMENDING THE ZONING ORDINANCE OF THE CITY OF COCOA, RELATING TO REGULATION OF ALCOHOLIC BEVERAGES; IMPOSING SEPARATION REQUIREMENTS FOR LIQUOR STORES AND PACKAGE STORES FROM CERTAIN OTHER USES; IMPOSING SEPARATION REQUIREMENTS BETWEEN LOCATIONS FOR ON-PREMISE CONSUMPTION OF ALCOHOL AND PUBLIC PARKS AND PLAYGROUNDS; UPDATING THE ZONING ORDINANCE TO BE CONSISTENT WITH STATE LAW REGARDING SEPARATION REQUIREMENTS BETWEEN SCHOOLS AND LOCATIONS FOR ON-PREMISE CONSUMPTION OF ALCOHOL; AMENDING THE METHOD OF MEASURING SEPARATION FOR PURPOSES OF ALCOHOLIC BEVERAGE REGULATIONS; AMENDING CERTAIN DEFINITIONS TO CLARIFY THE APPLICATION OF THE ALCOHOLIC BEVERAGE REGULATIONS; MODIFYING THE REGULATIONS PERTAINING TO ALCOHOLIC BEVERAGE SALES AS AN ACCESSORY USE; AMENDING THE LIST OF PERMITTED AND SPECIAL EXCEPTION USES IN THE GENERAL COMMERCIAL DISTRICT (C-G) RELATING TO ALCOHOLIC BEVERAGES; PROVIDING FOR THE REPEAL OF PRIOR INCONSISTENT ORDINANCES AND RESOLUTIONS, INCORPORATION INTO THE CODE, SEVERABILITY, AND AN EFFECTIVE DATE.

**PLANNING & ZONING BOARD/ LOCAL PLANNING AGENCY
PUBLIC HEARING WILL BE HELD ON**

June 4, 2025

CITY COUNCIL PUBLIC HEARING WILL BE HELD ON

July 8, 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**

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CITY COUNCIL AGENDA ITEM

Memo Date: May 16, 2025
Agenda Date: May 27, 2025
File ID: 2025-481
Prepared By: Stockton Whitten, City Manager
Through: Alexis Crespo, Planning Consultant, RVi
Requested Action: Request to postpone consideration of Ordinance No.02-2025 regarding LDR Amendment Creating Four Corners Overlay District. [Postpone to July 8th regular City Council meeting at 6pm]

BACKGROUND:

At the request of the City Manager, in order to provide more time for stakeholder input, the item will be continued to the regular City Council Meeting scheduled for July 8th, 2025.

PRIORITY AREA CONNECTION:

Economic and Community Development

BUDGETARY IMPACT:

N/A

PREVIOUS ACTION:

N/A

RECOMMENDED MOTION:

Request to postpone consideration of Ordinance No.02-2025 regarding LDR Amendment Creating Four Corners Overlay District. [Postpone to July 8th regular City Council meeting at 6pm]

CITY OF COCOA

NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN THAT

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AND THE COCOA CITY COUNCIL

PROPOSE TO CONSIDER THE FOLLOWING:

LARGE SCALE COMPREHENSIVE PLAN TEXT AMENDMENT | ORD 01-2025

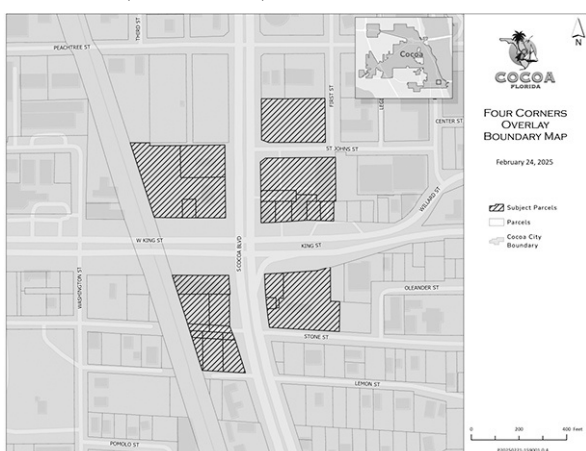
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AND THE FOLLOWING:

ALCOHOLIC BEVERAGE ORDINANCE AMENDMENT | ORD 04-2025

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF COCOA, BREVARD COUNTY, FLORIDA; AMENDING THE ZONING ORDINANCE OF THE CITY OF COCOA, RELATING TO REGULATION OF ALCOHOLIC BEVERAGES; IMPOSING SEPARATION REQUIREMENTS FOR LIQUOR STORES AND PACKAGE STORES FROM CERTAIN OTHER USES; IMPOSING SEPARATION REQUIREMENTS BETWEEN LOCATIONS FOR ON-PREMISE CONSUMPTION OF ALCOHOL AND PUBLIC PARKS AND PLAYGROUNDS; UPDATING THE ZONING ORDINANCE TO BE CONSISTENT WITH STATE LAW REGARDING SEPARATION REQUIREMENTS BETWEEN SCHOOLS AND LOCATIONS FOR ON-PREMISE CONSUMPTION OF ALCOHOL; AMENDING THE METHOD OF MEASURING SEPARATION FOR PURPOSES OF ALCOHOLIC BEVERAGE REGULATIONS; AMENDING CERTAIN DEFINITIONS TO CLARIFY THE APPLICATION OF THE ALCOHOLIC BEVERAGE REGULATIONS; MODIFYING THE REGULATIONS PERTAINING TO ALCOHOLIC BEVERAGE SALES AS AN ACCESSORY USE; AMENDING THE LIST OF PERMITTED AND SPECIAL EXCEPTION USES IN THE GENERAL COMMERCIAL DISTRICT (C-G) RELATING TO ALCOHOLIC BEVERAGES; PROVIDING FOR THE REPEAL OF PRIOR INCONSISTENT ORDINANCES AND RESOLUTIONS, INCORPORATION INTO THE CODE, SEVERABILITY, AND AN EFFECTIVE DATE.

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CITY COUNCIL AGENDA ITEM

Memo Date: May 13, 2025
Agenda Date: May 27, 2025
File ID: 2025-462
Prepared By: Connor Williams, Grants Writer
Through: Samantha Senger, Communications & Economic Development Manager
Requested Action: Consideration of a \$7,500 Cocoa forgivable loan with Brevard Shoe Closet according to the Procedures, Policies, and Conditions of the Upstart Cocoa Minority Small Business Program.

BACKGROUND:

In April of 2024, the UpStart Review Committee met to discuss submitted applications for the City of Cocoa UpStart forgivable loan program. At this time, William Frazier was approved to move forward in the process. The first step in the UpStart process requires the awarded applicant to complete the weVENTURE IGNITE 360® Business Education and Mentorship program.

Mr. Frazier completed his weVENTURE program with glowing reviews and worked to complete a request for the remaining funds (\$7,500.00) as part of the forgivable loan program. In May of 2025, the UpStart Review Committee reviewed Mr. Frazier's request for the remainder of the loan funds. The request is below:

Total Amount Available: \$7,500.00

Item	Price	% of Funds
Rent x3 months @\$1,500	\$4,500	60%
Marketing	\$1,200	16%
Inventory	\$1,800	24%
TOTALS	<u>\$7,500</u>	<u>100%</u>

Recommendation from the UpStart Review Committee to City Council is based on the following criteria: estimated cost of the proposed eligible expenses (listed above), strength of the business plan (attached to this agenda item), evaluation of applicant performance in the IGNITE 360® program, potential economic and fiscal impact of the proposed business on the City of Cocoa, location of the proposed business, and external funding available to the applicant.

Mr. Frazier plans to provide the following for his community enrichment component to the program where applicants are required to give back to the community in some way prior to the end of their loan agreement with the City of Cocoa:

- Donate to local high school sports teams each year.

The template agreement has been attached. This agreement will need to be executed with William Frazier. To expedite the loan process, staff is requesting the authorization of the City Manager to negotiate and execute the loan agreement consistent with the attached Exhibit.

PRIORITY AREA CONNECTION:

Economic and Community Development

BUDGETARY IMPACT:

Budgeted? Yes

Source/Use of Funds

Account Number 001-1905-559.83-11 Amount \$7,500

PREVIOUS ACTION:

The Upstart Review Committee has met on several occasions to review this applicant including:

- April 2024: Original acceptance into the program
- May 2025: Approve funding plan to be presented for approval to City Council

RECOMMENDED MOTION:

Consideration of a \$7,500 Cocoa forgivable loan with Brevard Shoe Closet according to the Procedures, Policies, and Conditions of the Upstart Cocoa Minority Small Business Program.

Brevard Shoe Closet Store, LLC

Business Plan

Business Overview

- Business Name: Brevard Shoe Closet Store, LLC
- Business Address: 513 S. Cocoa Blvd, Cocoa, FL 32922
- Website / Social Media: brevardshoecloset.com | Instagram: @brevard_shoe_closet_store_llc
- Owner(s): Business Description: Brevard Shoe Closet Store is a high-end sneaker boutique located in Cocoa, FL. We specialize in the latest fashion sneakers, exclusive releases, and hard-to-find shoes that appeal to style-conscious young men who want the best in sneaker culture.
- Mission Statement: To provide exclusive, high-demand sneakers and unmatched customer service to sneaker enthusiasts in Brevard County and beyond.
- Vision Statement: To become Central Florida's top destination for rare and fashionable sneakers, expanding both in-store and online to serve sneaker lovers nationwide.

Target Market

- Ideal customer: Black men aged 17-25 make up 70% of the customer base. Secondary markets include Hispanic and white men in the same age range.
- Problem product/service solves: These customers want exclusive, high-quality, hard-to-find sneakers that reflect their personal style and status. We give them access to releases that sell out quickly elsewhere.
- Target audience reach:
 - Instagram and TikTok marketing
 - Local sneaker and hip-hop events/pop-ups
 - Influencer collaborations
 - SEO and sneaker release calendar updates on website
 - Email/text alerts for new drops

Products & Services

- Main products and services:
 - Fashion sneakers (Nike, Jordan, Yeezy, New Balance, etc.)
 - Rare & limited-edition releases
 - Online ordering with local pickup or shipping
- Pricing Strategy:
 - Premium pricing based on rarity and demand
 - Occasional bundle offers and promotions for return customers
- Unique and competitive offerings:
 - Access to rare sneaker drops and fast-selling styles
 - Curated collection for trend-focused sneakerheads
 - Culturally in-tune with the local customer base.

Operations Plan

- Channels:
 - Physical retail store at 513 S. Cocoa Blvd, Cocoa, FL
 - Online sales at brevardshoecloset.com
- Business Hours:
 - Monday – Saturday: 12 PM – 8 PM
 - Sunday: 1 PM – 6 PM
- Key Suppliers:
 - Independent sneaker resellers
 - Wholesale sneaker platforms
- Licensing, Permits, Insurance Needed:
 - City of Cocoa business license
 - Florida Sales Tax Certificate
 - Retail liability insurance

Financial Basics

- Start-Up Costs: N/A
- Ongoing Monthly Expenses (estimates):
 - Rent: \$1,500
 - Supplies/Inventory: \$4,000
 - Marketing: \$50
 - Utilities: \$325
 - Insurance: \$250
 - Bookkeeping: \$125
 - Transportation: \$700
 - Other: \$100
- Revenue Goals:
 - \$10,000/month minimum revenue within the next 6 months
 - \$20,000/month within 2 years
- Funding Source(s):
 - Personal savings
 - Credit card

Goals

- Short-Term Goals (next 3-6 months):
 - Build email list to 200+
 - Increase foot traffic by 30% through targeted marketing
 - Grow Instagram to 7,000 engaged followers
 - Achieve \$10,000 in monthly sales by Jan 2026
- Long-Term Goals (1-2 years):
 - Expand to a mobile sneaker truck for events
 - Launch a private-label apparel line
 - Hit \$250K in annual revenue
 - Start shipping nationally
 - Start consignment services

- Key Milestones to Track Progress:
 - Sales growth month over month
 - Email/social media subscriber growth

- Inventory turnover rate
- Repeat customer rate

Support & Resources

- Who is on your support team?
 - William Frazier, Founder/Buyer
 - Sondee Lima, weVENTURE business coach
 - Bookkeeper/accountant
- What help do you need right now?
 - Social media management
 - Website SEO and optimization
 - Better supplier connections for sneaker sourcing
 - Local advertising via influencer partnerships

Print

Upstart Cocoa Small Business Program Application - Submission #15863

Date Submitted: 1/29/2024

UpStart Cocoa Small Business Program Application

Applications are open until all awards are given out each fiscal year.

Certifications

Minority Ownership Requirement*



I certify that:

The business that this application pertains to is a Minority-Owned Business, which means:

1. Any small business which is organized to engage in commercial transactions and which is
2. At least 51% owned by minority persons. Persons of minority include African Americans, Hispanic Americans, Asian Americans, Native Americans, and American women.

Employee Count & Timeframe Restriction*



I certify that:

The business that this application pertains to has 10 employees or fewer, and is either

1. A start-up business (3 years or less)
2. A recently-opened business (open in the City of Cocoa for 3 years or less at the time of application submission)
3. A business looking to relocate into the City of Cocoa.

Food & Beverage Requirement*



I certify that:

If the business that this application pertains to is an eating and drinking establishment, the business derives or commits to derive at least 51% of its gross revenue from the sale of food and/or non-alcoholic drink for consumption on the premises, whether or not the food is cooked on the premises.

If the business is not an eating and drinking establishment, you may certify this requirement.

Mobile Vending Requirement*



I certify that:

If the business that this application pertains to utilizes a mobile vending model, it will need to commit to required hours/percentage of sales/other in the City of Cocoa area.

If the business does not use a mobile vending model, you may certify this requirement.

Business Type Restriction*



I certify that:

The business that this application pertains to is not one of the following types of providers:

social service providers, non-profit agencies, gun shops, agricultural services, liquor stores, medical marijuana and CBD shops, shops that sell drug paraphernalia, pawn shops, bail bond services, tattoo/body piercing parlors, check cashing facilities, adult entertainment facilities, thrift shops, nightclubs and bars, and any business or service deemed illegal.

Past Funding Restriction*



I certify that:

The business that this application pertains to has not received funding from the Upstart Cocoa Program, or other business assistance funding from the CRA or the City of Cocoa, within the last three years from the date of the current submittal, except for façade improvement programs.

Start-Up Investment Requirement*



I certify that:

The minority stakeholder(s) will be required to invest 10% of the business's startup costs from non-UpStart Cocoa Program funding sources.

Small Business Education Requirement*



I certify that:

All applicants are willing to participate in and complete a required business education and mentorship program offered by the City of Cocoa's selected education partner.

Currently the City of Cocoa partners with the [weVENTURE program](#). By submitting this application, the owners and partners agree to commit themselves to fully completing the entire 24-week IGNITE 360 business education and mentorship program. If the IGNITE 360 program is not satisfactorily completed, you may be required to reimburse the City of Cocoa the cost of the program.

Policies, Procedures, & Conditions Certification

PP&C Certification*

This document must be read, and agreed to in its entirety, prior to submitting the application.

[Policies, Procedures and Conditions](#)



I certify that I have read, and agree with the Policies, procedures and conditions

Applicant Information

First Name*

William

Last Name*

Frazier

Personal Address***City*****State*****Zip Code*****Phone Number*****Email Address***

Business Information**Business Name***

This is either the name that is planned to be given to the business or if the business is already registered, the name that is on the IRS and SunBiz registration.

Business Address*

Please list the address of the location that your business is already, or slated to, open and operate at.

If you are still looking for an suitable location, please specify which addresses you are considering, and specify if you are looking to rent, lease, or purchase.

If you do not have a location in mind, explain where in the City you're interested in operating in. Please verify if your location(s) is/are within City limits, [by searching for the relevant addresses on our City Map](#). If none of these locations are within City limits, your application will not be considered.

Are you interested in having a location in Diamond Square?*

☒

No, I am not interested.

☐

Yes, but I haven't begun looking for a location there yet.

☐

Yes, but I am also considering locations in Cocoa in general.

☐

Yes, I'm intending on opening my business there.

☐

I already operate out of Diamond Square.

Please be aware that there will be separate selections for the City as a whole and business within the [Diamond Square CRA's boundaries](#). Click on the map to see the boundaries of the Diamond Square CRA district.

Primary Contact*

William Frazier

Phone Number*

3214581435

Name of person(s) authorized to sign legal documents.*

William Frazier

Desired opening date of business, or date business opened in the City of Cocoa.*

7/14/2023

Website and/or Social Media Handles for the business

Brevard_shoe_closet_store_llc

Evaluation Criteria

Please elaborate on how the business qualifies for this loan. Please be specific.*

Brevard Shoe Closet Store LLC, owned by a business entrepreneur, meets the eligibility criteria for the UpStart Cocoa Small Business Forgivable Loan program in Cocoa, Florida. The establishment, initiated in 2023, is a minority-owned venture situated within the City of Cocoa. Demonstrating commitment to the IGNITE 360 mentoring program signifies a proactive approach to improving entrepreneurial skills. A well-structured business plan highlights eligible expenses for funding, and the business is prepared for the City Council approval process. With a pledge to complete the 24-week education program and a clear understanding of the deferred loan terms, including a three-year period with no interest accrual, Brevard Shoe Closet Store LLC positions itself for loan forgiveness, aligning seamlessly with the program's objective of supporting and empowering minority-owned enterprises.

Please discuss the minority status of the owners and key partners, detailing the ownership structure and how many employees the business has.

Please explain your company's key activities.*

Brevard Shoe Closet Store LLC, seeking participation in the UpStart Cocoa business start-up program, specializes in the sale of a wide range of sneakers, including both hard-to-find and everyday casual styles. The business distinguishes itself by offering Buy-Sell-Trade services, creating a hub for sneaker enthusiasts. Through these key activities, Brevard Shoe Closet Store LLC contributes to the diversity of businesses in Cocoa and aligns with the program's goal of empowering entrepreneurs and promoting economic vitality. The company's commitment to unique sneaker collections and community engagement positions it as a valuable participant in the UpStart Cocoa program, showcasing a business with a passion for sneakers and a vision for contributing to the vibrant neighborhoods of Cocoa.

Key activities are the most important actions that a company must take to operate successfully and earn revenue.

For example: "Mark and Mindy Cleaning Inc. offers cleaning services to residential communities."

Please explain what your value proposition is for your business.*

Brevard Shoe Closet Store LLC presents a compelling value proposition. We stand out by offering a diverse range of shoes, including hard-to-find sneakers and everyday casual footwear. Our Buy-Sell-Trade services not only facilitate transactions but also build a sense of community within the local shoe enthusiast network. As the sole shoe store in Cocoa, we hold a unique position, setting the standard for footwear retail since our doors first opened. Our established reputation reflects positive community reception and customer satisfaction. This value proposition positions Brevard Shoe Closet Store LLC as a distinctive and valuable contributor to Cocoa's business landscape, aligning with the goals of the UpStart Cocoa program to empower entrepreneurs and promote economic vitality in the city.

The Value Proposition for any business is a bundle or aggregation of benefits that a company offers customers. The value proposition is often described as the customer's "why." What makes your business unique? Why would they choose your business over a competing one?

Please outline your customer segments, explaining specifically who the business is going to serve.*

Founded by an entrepreneur fueled by a genuine love for shoes, the store is dedicated to providing a diverse selection, including sought-after sneakers, everyday casual footwear, and convenient Buy-Sell-Trade service Brevard Shoe Closet Store LLC provides Buy-Sell-Trade services, enhancing its role as a hub for sneaker enthusiasts and contributing to the overall vibrancy of the sneaker culture. The business envisions becoming a welcoming space for kids to stop by and get a fresh pair of kicks. By participating in the IGNITE 360 business mentoring program, Brevard Shoe Closet Store LLC aims to further enhance its offerings and community engagement

Customer segmentation is the process by which businesses categorize their customers based on common characteristics - such as demographics or behaviors. This allows a business to target certain types of customers more effectively.

Customers comprise the heart of any business. Without (profitable) customers, no company can survive for long. A business must make a conscious decision about which segments to serve.

What are the business's primary challenges? (Name and explain at least 3)*

Seasonal Fluctuations: The business faces challenges during slow seasons, which may impact cash flow and profitability. Providing details on strategies or plans to navigate and overcome these seasonal challenges would be beneficial. Limited Space for Expansion: Brevard Shoe Closet Store LLC is currently experiencing constraints due to limited space, hindering the ability to expand the shop. This limitation could be elaborated upon, along with potential solutions or how the loan funds would be utilized to address this challenge. Market Competition and Uniqueness: While being the only shoe store in Cocoa, there might be challenges related to market competition. It could be useful to address how the business plans to maintain its unique position, especially in the context of offering hard-to-find sneakers and everyday casual sneakers, as well as the Buy-Sell-Trade services.

What experience do the owners and/or partners have that will benefit the business's success?*

The owner and partners of Brevard Shoe Closet Store LLC bring a wealth of experience and passion to the business that significantly contributes to its success. The founder's personal journey, starting with a love for shoes at a young age and transitioning into collecting since 2014, demonstrates a deep understanding and appreciation for the footwear industry. The decision to open a storefront in Cocoa, Florida, reflects a commitment to the local community and a strategic approach to meeting the footwear needs of residents. As the only shoe store in Cocoa, Brevard Shoe Closet Store LLC has established itself as a unique and essential presence, setting the standard for footwear offerings since its inception. The business's ability to sell everything from hard-to-find sneakers to everyday casual footwear, coupled with the innovative Buy-Sell-Trade services, showcases a diverse and customer-centric approach. This broad range of offerings positions Brevard Shoe Closet Store LLC as a one-stop destination for various shoe preferences, attracting a wide customer base. Overall, the experience of the owners and partners, combined with their dedication to providing unique and in-demand footwear options, contributes significantly to the success of Brevard Shoe Closet Store LLC and aligns with the goals of the UpStart Cocoa Small Business Forgivable Loan program in promoting entrepreneurship and economic vitality in the City of Cocoa.

How much revenue is anticipated to be required in order for the business to break even each month?*

\$2400 in fixed cost Variable cost is \$10 per shoe Revenue per shoe \$40 $\$40 - \$10 = \$30$
 $\$2400 / \$30 = 80$ shoes per month to break even

How is the business planning to complete the Community Enrichment Element?*

Brevard Shoe Closet Store LLC is dedicated to fostering community engagement and giving back through a thoughtful initiative. As part of our commitment to the local schools in Cocoa, we plan to conduct monthly giveaways, providing students with essential items such as socks and shoes. These giveaways aim to support students in need, ensuring that they have comfortable and proper footwear. We recognize the importance of education and want to contribute positively to the learning environment by addressing basic needs. Through these monthly initiatives, we aspire to make a meaningful impact on the lives of local students, promoting a sense of community and ensuring that every child has the opportunity to walk confidently and comfortably on their educational journey.

More about [Community Enrichment](#).

Budget*

Upstart Cocoa Forgivable Loan Budget Template (XLSX) (1).xlsx

The **Budget** is a layout of how you will spend the Forgivable Loan, which will include the \$2,500 to be spent on the weVENTURE program. Please refer to the Program Policies, Procedures, and Conditions for the list of eligible expenses. Upon completing the weVENTURE program, your Budget will be revisited and revised as needed with your newfound knowledge about business management and what you will most need for your pitch.

If you are unfamiliar with how to create and fill out a budget, feel free to utilize our template:

[Budget Template \(XLSX\)](#)

Business Plan

BSCS Business Plan (1).docx

While the presentation, scope, and level of detail can vary, we expect a **Business Plan** to consist of a description and layout of what you expect to do (or are already doing) with your business. As part of the weVENTURE program, you will learn how to develop a Business Plan, or if you already have one, improve upon it.

If you have already a Business Plan, feel free to include it as part of your application. If you do not, no need to include as part of the application.

Intent to Lease or Mortgage Showing Ownership

DNGC UNIT A BREVARD SHOE CLOSET
LLC LEASE clean.doc (1).pdf

The **Intent to lease or Mortgage showing ownership** is a broad requirement. As for "intent to lease", that can include materials between you and the individual and entity you are looking to lease or rent from, which can include, but is not limited to, correspondence showing your interest, negotiations, intent to sign formal agreements, the agreement itself, and invoices or receipts of lease/rent payments that include your information. "Mortgage showing ownership" includes mortgage documentation of any sort, such as agreements or payments that show your information.

If the business is currently looking into a site and has begun negotiations, or already owns or rents a location in the City, please include any pertinent documentation.

Drawings / Plans

No file chosen

Drawings/Plans include any materials that pertain to what you are planning on doing with the space. Specifically, this means charts, drawings, or technical schematics of the business space you're looking to get, make, renovate, or innovate.

These materials are optional to include.

Any Additional Documents

No file chosen

Important Note

Financial statements will be requested separately for applicants who are selected to move on to the review portion of the process.

Do not include them as part of this application.

Business References

Must list three Professional References

Name*

Lauren Kelley

Company

Guarded By Sharks Tattoo

Address

513 S Cocoa Blvd Unit B

City

Cocoa

State

fl

Zip Code

32922

Phone Number*

321-423-9674

E-mail Address

Guardedbysharks@gmail.com

Name*

Zeyad Kadur

Company

Fresh Street Apparel

Address

511 S Cocoa Blvd

City

Cocoa

State

Fl

Zip Code

32922

Phone Number*

(321) 591-9914

E-mail Address

freshstreet@att.net

Name*

Michael cerqua

Company

made men barbershop

Address

513 S Cocoa Blvd suite d

City

Cocoa

State

FL

Zip Code

32922

Phone Number*

321-693-4946

E-mail Address

Other

Other Partners

Percentage of Ownership

Disclaimer & Signature

I certify that my answers are true and complete to the best of my knowledge. If this application leads to an award of the Upstart Cocoa Small Business Program, I understand that false or misleading information in my application or associated documents may result in termination of any funding award and/or program agreement.*

Date*

1/29/2024

William Frazier

By typing my name in this form, I affirm the accuracy of information provided on this application. I understand that this constitutes a legal signature and confirms that I agree to the above terms.

Upstart Cocoa Forgivable Loan Application

Name of Business:

Brevard Shoe Closet Store LLC

Description of Products/Services:

Be specific.

Buy-Sell-Trade services not only facilitate transactions but also build a

Edit the below template to reflect the revenue and expenses of your business

REVENUE:	List Types of Revenue	Price per Unit	Qty	Subtotal
	Sales of Products:			
	Product 1: Rev per shoe	\$35	80	2800
	Product 2: Rev per Apparel	\$10	20	200
	Sales of Services:			
	Service 1: Shoe Wrapped	\$10	5	50
	Service 2			0
	Service 3			0
	Miscellaneous Revenue			
	Source of Revenue			0
	Source of Revenue			0
	Total Revenue			3050
Expenses:		Cost per Unit	Qty	Subtotal
	Payroll	0		0
	Payroll Taxes	0		0
	Rent	\$1,200	1	1200
	Phone/Electricity/Water	\$450	1	450
	Liability Insurance	\$100	1	100
	Licensing	\$150		0
	Cost of Goods Sold			0
	Office Supplies	\$100	1	100
	Other: Giveaways	\$1,500	1	1500
	Other:			0
	Other:			0
	Total Expenses			3350
Net Profit:	Revenue - Expenses			-300

Breakeven Point:

What is the minimum number of units (products or services) needed to be sold to cover all expenses?

Be specific.

\$2400 in fixed cost
 Variable cost is \$10 per shoe
 Revenue per shoe \$40
 $\$40 - \$10 = \$30$
 $\$2400 / \$30 = 80$ shoes per month to break even

How will you offset expenses if you don't have enough revenue?

pending more on marketing to try to make up in the upcoming month

Brevard Shoe Closet Business Plan

Executive Summary:

Brevard Shoe Closet Store LLC is a thriving footwear store in Cocoa, Florida, specializing in hard-to-find sneakers, everyday casual shoes, and innovative Buy-Sell-Trade services. To further elevate our market position and enhance customer experience, we propose an expansion initiative encompassing increased inventory, a revamped store interior, and an aggressive marketing campaign.

Products and Services:

Brevard Shoe Closet Store offers an extensive range of sneakers and casual shoes, and our unique Buy-Sell-Trade services set us apart. The proposed expansion will enable us to diversify our product offerings, catering to a broader customer base.

Market Analysis:

A thorough market analysis reveals a growing demand for unique and premium footwear in Cocoa. Expanding our inventory aligns with market trends, and strategic marketing efforts will solidify our position as the go-to destination for shoe enthusiasts.

Organization and Management:

Our experienced management team, led by William Frazier, will oversee the expansion. Roles and responsibilities will be realigned to ensure seamless execution of the proposed updates.

Marketing and Sales Strategy:

To drive sales and enhance brand visibility, we plan to implement an extensive marketing campaign, leveraging social media, local partnerships, and events. Engaging visuals, promotions, and loyalty programs will be key components.

Financial Projections:

The expansion plan includes a detailed financial projection covering the costs associated with increased inventory, store renovation, and marketing efforts. Projected sales increases and improved profit margins are anticipated outcomes.

Operations Plan:

Operational adjustments will be made to accommodate increased inventory and facilitate a seamless shopping experience. Close collaboration with suppliers will ensure timely restocking of popular items.

Risk Analysis:

Potential risks, such as market fluctuations and unexpected expenses, have been identified. Mitigation strategies include maintaining a financial buffer and closely monitoring market trends.

Community Engagement:

Our commitment to community engagement remains strong, with plans to increase our impact through monthly giveaways to local schools. This aligns with our ethos of giving back and contributing to the well-being of the community.

Exit Strategy:

While our focus is on growth, a flexible exit strategy is outlined, allowing for adjustments based on market dynamics. This includes potential partnerships or collaborations to maximize business value.

This comprehensive business plan outlines Brevard Shoe Closet's Store strategic initiative for expansion. By updating our inventory, enhancing the store interior, and implementing a robust marketing strategy, we aim to solidify our position as a premier destination for footwear enthusiasts in Cocoa and beyond.

LEASE

BY AND BETWEEN

DNGC PROPERTIES LLC,

a Florida limited liability company

AND

____Brevard Shoe Closet Stores ,LLC_____,

ROSE PLAZALEASE

THIS LEASE made this date of 6/26/2023, by and between DNGC PROPERTIES LLC, a Florida limited liability company, ("Landlord"), and Brevard Shoe Closet Stores ,LLC , ("Tenant");

WITNESSETH THAT, in consideration of the rents, covenants and agreements hereinafter set forth, such parties enter into the following agreement:

ARTICLE IBASIC LEASE INFORMATION AND DEFINITIONSSection 1.1. Basic Lease Information.

This Article I is an integral part of this Lease and all of the terms hereof are incorporated into this Lease in all respects. In addition to the other provisions which are elsewhere defined in this Lease, the following, whenever used in this Lease, shall have the meanings set forth in this Section:

- (a) Center: **Rose Plaza**, situated in the City of Cocoa, County of Brevard, State of Florida.
- (b) Premises: **UNIT _A_**. Landlord shall have the right to change the room designation upon written notice to Tenant.
- (c) Store Floor Area: Approx; **_1100_** square feet.
- (d) Lease Term: Commencing on the Commencement Date and continuing until the last day of July 2024.
- (e) Commencement Date: The earlier of (i) the date the Tenant opens for business, or (ii) July 1st 2023.
- (f) Minimum Annual Rent: A Minimum Annual Rent of **\$14,400.00, or (\$1,200.00)** per month, payable in equal monthly installments, in advance upon the first day of each and every month commencing upon the Commencement Date and continuing thereafter through and including the last month of the Lease Term. If the Commencement date is during a partial month then the monthly rental and other charges shall be prorated on a daily basis for that period.
- (g) Taxes: 7% sales tax on rental of **\$84.00** per month as Calculated as set forth in Section 4.5.
- (h) Utilities: Tenant will obtain accounts for all required utilities directly with vendors for Electricity, Internet, phone, cable.
Utilities included: Water charges shall be included in the minimum rental charges limited to the average water use in the premises of \$40 per month. Any excessive use or misuse due to leaving water running or not maintaining restroom sinks and toilets will be the sole responsibility of the Tenant. Tenant is to report immediately any known water leaks or equipment failures in the premises to landlord.
- (i) Insurance: Tenant is required to obtain General Liability, renters or equivalent insurance with DNGC Properties named as additionally insured as per section 11.2
- (j) Pre-paid/Last Months rent: **\$0.00** rent and tax to be applied to last months rent.
- (k) Trade Name DBA: **Brevard Shoe Closet**.
- (l) Permitted Use: The Premises shall be occupied and used by Tenant solely for the purpose of Buying and Selling Shoes, Sneakers, clothing, and other related merchandise to the fashion industry

Tenant shall not use or permit or suffer the use of the Premises for any other business or purpose whatsoever without prior written consent from the landlord.

Additionally, notwithstanding anything contained herein to the contrary, the sale/display of the following merchandise shall be restricted or prohibited as indicated below:

- (i) Food, beverages, Alcohol, firearms, Gambling gaming or electronic entertainment.

Notwithstanding anything contained herein to the contrary, in no event shall Tenant's use of the Premises violate or conflict with the rights of other occupants in the Center, and Tenant agrees to promptly remove any given item not in the permitted use of tenant if requested to do so by Landlord.

(m) Security Deposit: \$ 0.00

(n) Notice Address:

Landlord
c/o DNGC PROPERTIES LLC
Made Men Unit A
513 South Cocoa Blvd
Cocoa, Florida 32922

Tenant
Brevard Shoe Closet, LLC
513 South Cocoa Blvd suite A
Cocoa, Florida 32922

(o) Remittance Payable to and Address: DNGC PROPERTIES LLC
513 South Cocoa Blvd
Cocoa, Florida 32922

Section 1.2. Definitions.

(a) "Center" shall mean, as the same may be changed from time to time, the land and buildings and other improvements from time to time constituting an integrated shopping center which Landlord and others have constructed or caused to be constructed.

(b) "Landlord's Tract" shall mean that portion (or portions) of the land in the Center and the buildings and other improvements thereon which at any time in question Landlord owns or which Landlord leases as tenant under a sale leaseback or under a ground lease or sublease, it being understood that Landlord may not own or control portions of the Center. Landlord reserves unto itself the unlimited right to modify the configuration of Landlord's Tract at any time for the purpose of incorporating additional Major Tenants and other buildings within the Center.

ARTICLE II

LEASED PREMISES AND TERM

Section 2.1. Roof and Walls.

Landlord shall have the exclusive right to use all or any part of the side and rear walls of the Premises and the roof for any purpose, including but not limited to erecting signs or other structures on or over all or any part of the same, erecting scaffolds and other aids to the construction and installation of the same, and installing, maintaining, using, repairing and replacing pipes, ducts, conduits and wires leading through, to or from the Premises and serving other parts of the Center in locations which do not materially interfere with Tenant's use of the Premises. Tenant shall have no right whatsoever in the exterior of exterior walls of the Premises or the roof or any portion of the Center outside the Premises, except as provided in Exhibit "B" hereof.

Section 2.2. Relocation of Premises.

A. In the event Landlord shall add additional buildings to the Center or expand any of the buildings currently contained therein or renovate or reconfigure any part of the Center in the vicinity of the Premises, Landlord shall have the right, subject to Landlord's and Tenant's right of termination as set forth in subparagraph (B), to require Tenant to relocate its operation, at **Landlord's** expense, to other premises (the "New Premises") in another part of the Center or building in accordance with the following:

(i) Landlord shall notify Tenant, at least **thirty (30)** days prior to the proposed relocation date, of Landlord's intention to relocate Tenant's operation to the New Premises;

(ii) The proposed relocation date and the size, configuration and location of the New Premises shall be set forth in Landlord's notice; and

(iii) The New Premises shall be substantially the same in size and configuration as the Premises described in the Lease.

B. In the event the New Premises described in Landlord's relocation notice are unacceptable to Tenant, Tenant shall have the right, exercisable by written notice to Landlord, given thirty (30) days following receipt of Landlord's relocation notice, to terminate this Lease, such termination to be effective as of the proposed relocation date as set forth in Landlord's notice. Failure by Tenant to timely exercise such right shall be deemed a waiver with respect thereto and confirmation that the New Premises are acceptable to Tenant. In addition, if Tenant fails to exercise such right of termination by written notice to Landlord given within thirty (30) days following receipt of Landlord's relocation notice or to accept the New Premises in writing by written notice to Landlord given within thirty (30) days following receipt of Landlord's relocation notice, then Landlord shall have the right, at any time thereafter, to terminate this Lease effective the later of (a) thirty (30) days following Tenant's receipt of Landlord's notice of termination or (b) the proposed relocation date as set forth in Landlord's relocation notice. Tenant shall have the right to accept the New Premises only for the unexpired term of this Lease.

C. In the event Landlord requires the relocation of Tenant's operation for any other reason, then Landlord reserves the right at any time during the Lease Term hereof to require Tenant to relocate to the New Premises upon the following terms and conditions: (a) Landlord shall notify Tenant not less than thirty (30) days prior to the date Tenant is required to surrender possession of the Premises; (b) Landlord shall, at Landlord's cost and expense, complete the leasehold improvements in the New Premises, in accordance with the plans and specifications approved by Landlord with respect to Tenant's original work in the Premises; (c) Tenant shall, within fifteen (15) days after possession of the New Premises has been tendered to Tenant, open for business in the New Premises; and (d) Tenant shall surrender possession of the Premises to Landlord within fifteen (15) days after possession of the New Premises has been tendered to Tenant.

D. The New Premises shall be subject to the same terms, conditions and covenants as the Premises.

E. Landlord has made no representation as to any additional improvements or stores or any existing stores in the Center and this provision does not create any rights of option, first refusal or otherwise with respect to any present or future space in the Center.

Section 2.3. Modifications to the Center.

Notwithstanding anything in this Lease contained, Landlord reserves the right to change or modify and add to or subtract from the size and dimensions of the Center or any part thereof, the number, location and dimensions of buildings and stores, the size and configuration of the parking areas, entrances, exits and parking aisle alignments, dimensions of hallways, and corridors, the number of floors in any building, the location, size and number of tenants' spaces the identity, type and location of other stores and tenants, and the size, shape, location and, to design and decorate any portion of the Center as it desires, but the general character of the Center shall not be substantially changed.

ARTICLE III

TENANT'S WORK

Section 3.1. Tenant's Work.

Tenant agrees to accept the Premises in its present "AS IS, WHERE IS" condition

Section 3.2. Sign. Tenant shall install and maintain a sign consistent with the other signs on the property as approved by Landlord approximately 30 inches tall by 60 inches wide.

Section 3.3. Condition of Premises.

Tenant's taking possession of the Premises shall be conclusive evidence of Tenant's acceptance thereof in good order and satisfactory condition.

ARTICLE IV

RENT

Section 4.1. Miscellaneous Rent Provisions.

If Tenant shall fail to pay any installment of Rent within five (5) days after the date the same became due and payable, then Tenant shall pay to Landlord a late payment service charge ("Late Charge") covering administrative and overhead expenses equal to the greater of (a) \$250.00 or (b) \$50 per day. Provision herein for payment of the Late Charge shall not be construed to extend the date for payment of any sums required to be paid by Tenant hereunder or to relieve Tenant of its obligation to pay all such sums at the times herein stipulated. If the Commencement Date is other than the first day of a month, Tenant shall pay on the Commencement Date a prorated partial Minimum Monthly Rent for the period prior to the first day of the next calendar month, and thereafter Minimum Monthly Rent payments shall be made not later than the first day of each calendar month.

ARTICLE V

PARKING AND COMMON AREAS AND FACILITIES

Section 5.1. Common Areas.

All parking areas, access roads and facilities furnished, made available or maintained by Landlord in or near the Center, including employee parking areas, truck ways, driveways, loading docks and areas, delivery areas, multi-story parking facilities (if any), package pickup stations, elevators, escalators, pedestrian sidewalks, malls, including the enclosed mall and Food Court, if any, courts and ramps, landscaped areas, retaining walls, stairways, bus stops, first-aid and comfort stations, lighting facilities, sanitary systems, utility lines, water filtration and treatment facilities and other areas and improvements provided by Landlord for the general use in common of tenants and their customers and Major Tenants in the Center (all herein called "Common Areas") shall at all times be subject to the exclusive control and management of Landlord, and Landlord shall have the right, from time to time, to establish, modify and enforce reasonable rules and regulations with respect to all Common Areas. Tenant agrees to comply with all rules and regulations set forth in Section 8.9 and all reasonable amendments thereto.

Section 5.2. Use of Common Areas.

Tenant and its business invitees, employees and customers shall have the nonexclusive right, in common with Landlord and all others to whom Landlord has granted or may hereafter grant rights, to use the Common Areas subject to such reasonable regulations as Landlord may from time to time impose and the rights of Landlord set forth above. Tenant shall abide by all rules and regulations and cause its concessionaires, officers, employees, agents, customers and invitees to abide thereby. Landlord may at any time close temporarily any Common Areas to make repairs or changes, prevent the acquisition of public rights therein, discourage noncustomer parking, or for other reasonable purposes. Tenant shall not interfere with Landlord's or other tenants' rights to use any part of the Common Areas.

Section 5.3. No Loitering in Common Areas.

Tenant and its business invitees, employees and customers shall maintain a strict no loitering policy in the common areas and adjacent storefronts of other tenants at the property. Tenant shall report to landlord immediately loitering by other tenants, employees, and or customers that interfere with Tenants business so Landlord may address the issue.

ARTICLE VIIUTILITIES AND SERVICESSection 7.1. Utilities.

Tenant shall not install any equipment which can exceed the capacity of any utility facilities and if any equipment installed by Tenant requires additional utility facilities, the same shall be installed at Tenant's expense in compliance with all code requirements and plans and specifications which must be approved in writing by Landlord. Tenant shall be solely responsible for and promptly pay all charges for use or consumption of electricity, and all other utility services tenant obtains services for.

Tenant shall be responsible for the, maintenance of air conditioning, heating and ventilation systems within and specifically for the Premises, including all components such as air handling units, filters and all other components. Tenant shall contract for, in its own name, and shall pay for a qualified service contractor to periodically inspect, adjust, clean and repair such systems, including changing filters on a quarterly basis. Tenant shall promptly furnish a copy of each inspection and service report to the Landlord. Landlord may elect to perform such inspection, cleaning and repairing, if Tenant fails to maintain the units.

ARTICLE VIIICONDUCT OF BUSINESS BY TENANTSection 8.1. Use of Premises.

Tenant covenants and agrees that it will: **not place any open flames, fires, and adhere to a strict no smoking policy** within the premises.

Section 8.2. Operation by Tenant.

Tenant covenants and agrees that it will: not place or maintain any merchandise, vending machines or other articles in any vestibule or entry of the Premises or outside the Premises; store garbage, trash, rubbish and other refuse in rat-proof and insect-proof containers inside the Premises, and remove the same frequently and regularly and, if directed by Landlord, by such means and methods and at such times and intervals as are designated by Landlord; not commit or permit waste or a nuisance upon the Premises; not permit or cause odors to emanate or be dispelled from the Premises; comply with all laws, recommendations, ordinances, rules and regulations of governmental, public, private and other authorities and agencies, including those with authority over insurance rates, with respect to the use or occupancy of the Premises, and including but not limited to the Americans with Disabilities Act of 1990 and the Williams-Steiger Occupational Safety and Health Act; not permit any noxious, toxic or corrosive fuel or gas, dust, dirt or fly ash on the Premises.

Section 8.3. Hazardous Material.

Tenant shall not, without the prior written consent of Landlord, cause or permit, knowingly or unknowingly, any Hazardous Material (hereinafter defined) to be brought or remain upon, kept, used, discharged, leaked, or emitted in or about, or treated at the Premises. As used in this Lease, "Hazardous Material(s)" shall mean any hazardous, toxic or radioactive substance, material, matter or waste which is or becomes regulated by any federal, state or local law, ordinance, order, rule, regulation, code or any other governmental restriction or requirement, and shall include asbestos,

petroleum products and the terms "Hazardous Substance" and "Hazardous Waste" as defined in the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), as amended, 42 U.S.C. 9601 et seq., the Resource Conservation and Recovery Act ("RCRA"), as amended, 42 U.S.C. 6901 et seq. To obtain Landlord's consent, Tenant shall have an "Environmental Audit" prepared by a Qualified Engineer or Environmental Professional for Landlord's review to be relied upon by Landlord and for Landlord's use. Such Environmental Audit shall list: (1) the name(s) of each Hazardous Material and a Material Safety Data Sheet (MSDS) as required by the Occupational Safety and Health Act; (2) the volume proposed to be used, stored and/or treated at the Premises (monthly); (3) the purpose of such Hazardous Material; (4) the proposed on-premises storage location(s); (5) the type and description of such storage area(s); (6) the location of sanitary and storm drains; (7) the name(s) of the proposed off-premises disposal entity; and (8) an emergency preparedness plan in the event of a release. Additionally, the Environmental Audit shall include copies of all required federal, state, and local permits concerning or related to the proposed use, storage, or treatment of Hazardous Materials at the Premises. Tenant shall submit a new Environmental Audit whenever it proposes to use, store, or treat a new Hazardous Material at the Premises or when the volume of existing Hazardous Materials to be used, stored, or treated at the Premises expands by ten percent (10%) during any thirty (30) day period. If Landlord in its reasonable judgment finds the Environmental Audit acceptable, then Landlord shall deliver to Tenant Landlord's written consent. Notwithstanding such consent, Landlord may revoke its consent upon: (1) Tenant's failure to remain in full compliance with applicable environmental permits and/or any other requirements under any federal, state, or local law, ordinance, order, rule, regulation, code or any other governmental restriction or requirement (including but not limited to CERCLA and/or RCRA), related to environmental safety, human health, or employee safety; (2) the Tenant's business operations pose or potentially pose a human health risk to other tenants; or (3) the Tenant expands its use, storage, or treatment of Hazardous Materials in a manner inconsistent with the safe operation of a shopping center. Should Landlord consent in writing to Tenant bringing, using, storing or treating any Hazardous Material in or upon the Premises, Tenant shall strictly obey and adhere to any and all federal, state or local laws, ordinances, orders, rules, regulations, codes or any other governmental restrictions or requirements (including but not limited to CERCLA and/or RCRA), which in any way regulates, governs or impacts Tenant's possession, use, storage, treatment or disposal of said Hazardous Material. In addition, Tenant represents and warrants to Landlord that: (1) Tenant shall apply for and remain in compliance with applicable RCRA and state permits; (2) Tenant shall report to applicable governmental authorities any release of reportable quantities of a hazardous substance(s) as mandated by Section 103(a) of CERCLA; (3) Tenant, within five (5) days of receipt, shall send to Landlord a copy of any notice, order, inspection report, or other document issued by any governmental authorities relevant to the Tenant's compliance status with environmental or health and safety laws; and (4) Tenant shall remove from the Premises all Hazardous Materials at the termination of this Lease.

In addition to, and in no way limiting, Tenant's duties and obligations as set forth in Section 11.6 of this Lease, should Tenant breach any of its duties and obligations as set forth in this Section 8.5 of this Lease, or if the presence of any Hazardous Material on the Premises results in contamination of the Premises, the Center, any land other than the Center, the atmosphere, or any water or waterway (including groundwater), or if contamination of the Premises or of the Center by any Hazardous Material otherwise occurs for which Tenant is otherwise legally liable to Landlord for damages resulting therefrom, Tenant shall indemnify, save harmless and, at Landlord's option and with attorneys approved in writing by Landlord, defend Landlord, and its contractors, agents, employees, partners, officers, directors, and mortgagees, if any, from any and all claims, demands, damages, expenses, fees, costs, fines, penalties, suits, proceedings, actions, causes of action, and losses of any and every kind and nature (including, without limitation, diminution in value of the Premises or the Center, damages for the loss or restriction on use of the rentable or usable space or of any amenity of the Premises or the Center, damages arising from any adverse impact on marketing space in the Center, and sums paid in settlement of claims and for attorney's fees, consultant fees and expert fees, which may arise during or after the Lease Term or any extension thereof as a result of such contamination). This includes, without limitation, costs and expenses, incurred in connection with any investigation of site conditions or any cleanup, remedial, removal or restoration work required by any federal, state or local governmental agency or political subdivision because of the presence of Hazardous Material on or about the Premises or the Center, or because of the presence of Hazardous Material anywhere else which came or otherwise emanated from Tenant or the Premises. Without limiting the foregoing, if the presence of any Hazardous Material on or about the Premises or the Center caused or permitted by Tenant results in any contamination of the Premises or the Center, Tenant shall, at its sole expense, promptly take all actions and expense as are necessary to return the Premises and/or the Center to the condition existing prior to the introduction of any such Hazardous Material to the Premises or the Center; provided, however, that Landlord's approval of such actions shall first be obtained in writing.

Section 8.4. Painting, Decorating, Displays, Alterations.

Tenant will not paint, decorate or change the architectural treatment of any part of the exterior of the Premises nor any part of the interior of the Premises visible from the exterior nor make any structural alterations, additions or changes in the Premises without Landlord's written approval thereto, and will promptly remove any paint, decoration, alteration, addition or changes applied or installed without Landlord's approval and restore the Premises to an acceptable condition or take such other action with respect thereto as Landlord directs.

Tenant will install and maintain at all times, subject to the other provisions of this Section 8.6, merchandise displays in any show windows on the Premises; the arrangement, style, color and general appearance thereof and of displays in the interior of the Premises which are visible from the exterior, including, but not limited to, window displays, advertising matter, signs, merchandise and store fixtures, shall be maintained in keeping with the character and standards of the Center.

Section 8.5. Sales and Dignified Use.

Tenant shall continuously and without interruption, throughout the Lease Term in good faith, actively use, occupy and operate the entire Premises, with fixtures and decor, an inventory of goods and merchandise and a staff of sales personnel adequate, sufficient and appropriate to operate the Premises as a "first-class", "high-quality", "fashionable" store or business (as opposed to a "general", "promotional" or "self-service" store or business) as those standards of operation may be interpreted from time to time during the Lease Term. The foregoing description is intended only as a description of the general quality of the merchandise or services Tenant may sell and the general quality of customer service, merchandising, fixturing and decor Tenant must maintain in the operation of the Premises. The foregoing description is not intended by Landlord and will not be enforced to affect the retail selling price of Tenant's merchandise or services. Tenant shall operate its business at the Premises in a respectable, reputable, tasteful, competent and dignified manner in order to enhance the image of the Center as a whole and its reputation as a dignified and desirable place to shop and the Premises shall not be used in a disreputable or immoral manner or in violation of national, state or local laws.

Section 8.6. Rules and Regulations.

Tenant shall not permit or suffer any advertising medium to be placed, on the sidewalks or on the parking lot areas or light poles. No permission, expressed or implied, is granted to exhibit or display any banner, pennant, sign, and trade or seasonal decoration of any size, style or material within the Center, outside the Premises; (vii) Tenant shall not permit or suffer the use of any advertising medium which can be heard or experienced outside of the Premises, including, without limiting the generality of the foregoing, flashing lights, searchlights, loud speakers, phonographs, radios or television. No radio, television, or other communication antenna equipment or device is to be mounted, attached, or secured to any part of the roof, exterior surface, or anywhere outside the Premises, unless Landlord has previously given its written consent; (viii) Tenant shall not permit or suffer merchandise of any kind at any time to be placed, exhibited or displayed outside its Premises, nor shall Tenant use the exterior sidewalks or exterior walkways of its Premises to display, store or place any merchandise. No sale of merchandise by tent sale, truck load sale or the like, shall be permitted on the parking lot or other Common Areas; (ix) Tenant shall not permit or suffer any portion of the Premises to be used for lodging purposes, nor conduct or permit any unusual firing, explosion or other damaging or dangerous hazard within the Premises or the Common Areas; (x) Tenant shall not permit or suffer any portion of the Premises to be used for any warehouse operation, or any assembling, manufacturing, distilling, refining, smelting, industrial, agricultural, drilling or mining operation, adult bookstore or cinema, peepshow, entertainment or sale of products of an obscene or pornographic nature or predominately sexual nature; and (xi) Tenant shall not, in or on any part of the Common Areas: (a) vend, peddle or solicit orders for sale or distribution of any merchandise, device, service, periodical, book, pamphlet or other matter whatsoever; (b) exhibit any sign, placard, banner, notice or other written material, except for activities as approved in writing by Landlord; (c) distribute any circular, booklet, handbill, placard or other material, except for activities as approved in writing by Landlord; (d) solicit membership in any organization, group or association or contribution for any purpose; (e) create a public or private nuisance; (f) use any Common Areas (including the enclosed mall) for any purpose when none of the other retail establishments within the Center is open for business or employment, except for activities as approved in writing by Landlord; (g) throw, discard or deposit any paper, glass or extraneous matter of any kind except in designated receptacles, or create litter or hazards of any kind; or

(h) deface, damage or demolish any sign, light standard or fixture, landscaping materials or other improvement within the Center, or the property of customers, business invitees or employees situated within the Center.

ARTICLE IX

MAINTENANCE OF LEASED PREMISES

Section 9.1. Maintenance by Landlord.

Landlord shall keep or cause to be kept the foundations, roof and structural portions of the walls of the Premises in good order, repair and condition except for damage thereto due to the acts or omissions of Tenant, its agents, employees or invitees. Landlord shall commence required repairs as soon as reasonably practicable after receiving written notice from Tenant thereof. This Section 9.1 shall not apply in case of damage or destruction by fire or other casualty or condemnation or eminent domain. Except as provided in this Section 9.1 Landlord shall not be obligated to make repairs, replacements or improvements of any kind upon the Premises, or to any equipment, merchandise, stock in trade, facilities or fixtures therein, all of which shall be Tenant's responsibility, but Tenant shall give Landlord prompt written notice of any accident, casualty, damage or other similar occurrence in or to the Premises or the Common Areas of which Tenant has knowledge.

Section 9.2. Maintenance by Tenant.

Tenant shall at all times, at Tenant's sole cost and expense, keep the Premises (including all entrances and vestibules) and all partitions, window and window frames and mouldings, glass, store fronts, doors, door openers, fixtures, equipment and appurtenances thereof (including lighting, heating, electrical, plumbing, waterproofing, ventilating and air conditioning fixtures and systems and other mechanical equipment and appurtenances) and all parts of the Premises, and parts of Tenant's Work not on the Premises, not required herein to be maintained by Landlord, in good order, condition and repair and clean, orderly, sanitary and safe, damage by unavoidable casualty excepted, (including but not limited to doing such things as are necessary to cause the Premises to comply with applicable laws, ordinances, rules, regulations and orders of governmental and public bodies and agencies, such as but not limited to the Americans with Disabilities Act of 1990 and the Williams-Steiger Occupational Safety and Health Act). If replacement of equipment, fixtures and appurtenances thereto is necessary, Tenant shall replace the same with new or completely reconditioned equipment, fixtures and appurtenances, and repair all damages done in or by such replacement. If Tenant fails to perform its obligations hereunder, Landlord without notice may, but shall not be obligated to, perform Tenant's obligations or perform work resulting from Tenant's acts, actions or omissions and add the cost of the same to the next installment of Minimum Monthly Rent due hereunder.

Section 9.3. Surrender of Premises.

At the expiration of the Lease Term, Tenant shall surrender the Premises in the same condition as they were required to be in on the Required Completion Date, reasonable wear and tear and damage by unavoidable casualty excepted, and deliver all keys for, and all combinations on locks, safes and vaults in, the Premises to Landlord at Landlord's notice address as specified in Section 1.1 or, at Landlord's option, to the office of the Center's general manager.

ARTICLE X

INSURANCE

Section 11.1. By Landlord.

Landlord shall carry commercial general liability insurance (either through the purchase of insurance or a self-insurance plan) on those portions of the Common Areas included in Landlord's Tract providing coverage of not less than \$5,000,000.00 against liability for bodily injury including death and personal injury for any one (1) occurrence and \$1,000,000.00 property damage insurance, or combined single limit insurance in the amount of \$5,000,000.00.

Landlord shall also carry insurance for fire, extended coverage, vandalism, malicious mischief and other endorsements deemed advisable by Landlord, insuring all improvements on Landlord's Tract, including the Premises and all leasehold improvements thereon and appurtenances thereto (excluding Tenant's merchandise, trade fixtures,

furnishings, equipment, personal property and excluding plate glass) for the full insurable value thereof, with such deductibles as Landlord deems advisable

Section 11.2. By Tenant.

Tenant agrees to carry commercial general liability insurance or Renters Insurance on the Premises during the Lease Term, covering the Tenant and naming the Landlord, **DNGC Properties, LLC.**, as additional insureds with terms and companies satisfactory to Landlord, on an Occurrence form with a limit of not less than \$1,000,000.00 for any one (1) occurrence. Tenant shall also carry Umbrella or Excess insurance in an amount of not less than \$2,000,000.00. Tenant's insurance will include contractual liability coverage recognizing this Lease, products and completed operations liability. Tenant shall provide notice to Landlord immediately upon receipt of any notice received by Tenant from its insurance carrier advising of non-renewal or cancelation of the policies required under this Lease. Tenant also agrees to carry insurance against fire and such other risks as are from time to time required by Landlord, including, but not limited to, a standard "All Risk" policy of property insurance protecting against all risk of physical loss or damage, including without limitation, sprinkler leakage coverage and plate glass insurance covering all plate glass in the Premises (including store fronts), in amounts not less than the actual replacement cost, covering all of Tenant's merchandise, trade fixtures, furnishing, wall covering, floor covering, carpeting, drapes, equipment and all items of personal property of Tenant located on or within the Premises. Upon the Commencement Date and annually thereafter, Tenant shall provide Landlord with certificates or, at Landlord's request, copies of the policies, evidencing that such insurance is in full force and effect and stating the terms thereof, including all endorsements

Section 11.3. Mutual Waiver of Subrogation Rights.

Landlord and Tenant and all parties claiming, by, through or under them mutually release and discharge each other from all claims and liabilities arising from or caused by any casualty or hazard covered or required hereunder to be covered in whole or in part by property insurance on the Premises or in connection with property on or activities conducted on the Premises, and waive any right of subrogation which might otherwise exist in or accrue to any person on account thereof and further agree to evidence such waiver by endorsement to the required insurance policies, provided that such release shall not operate in any case where the effect is to invalidate or increase the cost of such insurance coverage (provided that in the case of increased cost, the other party shall have the right, within thirty (30) days following written notice, to pay such increased cost thereby keeping such release and waiver in full force and effect).

Section 11.4. Waiver.

Landlord, its agents and employees, shall not be liable for, and Tenant waives all claims for, loss or damage, including but not limited to consequential damages, to person, property or otherwise, sustained by Tenant or any person claiming through Tenant resulting from any accident, casualty or occurrence in or upon any part of the Center including, but not limited to, claims for damage resulting from: (a) any equipment or appurtenances becoming out of repair; (b) Landlord's failure to keep any part of the Center in repair; (c) injury done or caused by wind, water, or other natural element; (d) any defect in or failure of plumbing, heating or air conditioning equipment, electric wiring or installation thereof, gas, water, and steam pipes, stairs, porches, railings or walks; (e) broken glass; (f) the backing up of any sewer pipe or downspout; (g) the bursting, leaking or running of any tank, tub, washstand, water closet, waste pipe, drain or any other pipe or tank in, upon or about the Premises; (h) the escape of steam or hot water; (i) water, snow or ice upon the Premises; (j) the falling of any fixture, plaster or stucco; (k) damage to or loss by theft or otherwise of property of Tenant or others; (l) acts or omissions of persons in the Premises, other tenants in the Center, occupants of nearby properties, or any other persons; and (m) any act or omission of owners of adjacent or contiguous property, or of Landlord, its agents or employees. All property of Tenant kept in the Premises shall be so kept at Tenant's risk only and Tenant shall save Landlord harmless from claims arising out of damage to the same, including subrogation claims by Tenant's insurance carrier.

Section 11.5. Insurance - Tenant's Operation.

Tenant will not do or suffer to be done anything which will contravene Landlord's insurance policies or prevent Landlord from procuring such policies in amounts and companies selected by Landlord. If anything done, omitted to be done or suffered to be done by Tenant in, upon or about the Premises shall cause the rates of any insurance effected or carried by Landlord on the Premises or other property to be increased beyond the regular rate from time to time applicable to the Premises for use for the purpose permitted under this Lease, or such other property for the use or uses

made thereof, Tenant will pay the amount of such increase promptly upon Landlord's demand and Landlord shall have the right to correct any such condition at Tenant's expense. In the event that this Lease so permits and Tenant engages in the preparation of food or packaged foods or engages in the use, sale or storage of inflammable or combustible material, Tenant shall install chemical extinguishing devices (such as ansul) approved by Underwriters Laboratories and Factory Mutual and the installation thereof must be approved by the appropriate local authority. Tenant shall keep such devices under service as required by such organizations. If gas is used in the Premises, Tenant shall install gas cut-off devices (manual and automatic).

Section 11.6. Indemnification.

Tenant shall save harmless, indemnify, and at Landlord's option, defend Landlord, its agents and employees, and mortgagee, if any, from and against any and all liability, liens, claims, demands, damages, expenses, fees, costs, fines, penalties, suits, proceedings, actions and causes of action of any and every kind and nature arising or growing out of or in any way connected with Tenant's use, occupancy, management or control of the Premises or Tenant's operations, conduct or activities in the Center.

ARTICLE XII

OFFSET STATEMENT, ATTORNMENT, SUBORDINATION

Section 12.1. Offset Statement.

Within ten (10) days after Landlord's written request Tenant shall deliver, executed in recordable form, a declaration to any person designated by Landlord: (a) ratifying this Lease; (b) stating the commencement and termination dates; and (c) certifying (i) that this Lease is in full force and effect and has not been assigned, modified, supplemented or amended (except by such writings as shall be stated), (ii) that all conditions under this Lease to be performed by Landlord have been satisfied (stating exceptions, if any), (iii) that no defenses or offsets against the enforcement of this Lease by Landlord exist (or stating those claimed), (iv) as to advance rent, if any, paid by Tenant, (v) the date to which rent has been paid, (vi) as to the amount of security deposited with Landlord, and (vii) such other information as Landlord reasonably requires. Persons receiving such statements shall be entitled to rely upon them.

Section 12.2. Attornment.

Tenant shall, in the event of a sale or assignment of Landlord's interest in the Premises or the building in which the Premises is located or this Lease or Landlord's Tract, or if the Premises or such building comes into the hands of a mortgagee, ground lessor or any other person whether because of a mortgage foreclosure, exercise of a power of sale under a mortgage, termination of the ground lease, or otherwise, attorn to the purchaser or such mortgagee or other person and recognize the same as Landlord hereunder. Tenant shall execute, at Landlord's request, any attornment agreement required by any mortgagee, ground lessor or other such person to be executed, containing such provisions as such mortgagee, ground lessor or other person requires.

Section 12.3. Subordination.

A. Mortgage. This Lease shall be secondary, junior and inferior at all times to the lien of any mortgage and to the lien of any deed of trust or other method of financing or refinancing (hereinafter collectively referred to as "mortgage") now or hereafter existing against all or a part of Landlord's Tract, and to all renewals, modifications, replacements, consolidations and extensions thereof, and Tenant shall execute and deliver all documents requested by any mortgagee or security holder to effect such subordination. Tenant shall execute, at Landlord's request, any subordination agreement required by any mortgagee, ground lessor or other such person to be executed, containing such provisions as such mortgagee, ground lessor or other person requires.

B. Construction, Operation and Reciprocal Easement Agreements. This Lease is subject and subordinate to one (1) or more construction, operation, reciprocal easement or similar agreements (hereinafter referred to as "Operating Agreements") entered into or hereafter to be entered into between Landlord and other owners or lessees of real estate (including but not limited to owners and operators of department stores) within or near the Center (which Operating Agreements have been or will be recorded in the official records of the County wherein the Center is located) and to any and all easements and easement agreements which may be or have been entered into with or granted to any persons heretofore or hereafter, whether such persons are located within or upon the Center or not, and Tenant shall execute such instruments as Landlord requests to evidence such subordination.

Section 12.4. Failure to Execute Instruments.

Tenant's failure to execute instruments or certificates provided for in this Article XII within fifteen (15) days after the mailing by Landlord of a written request shall be a default under this Lease.

ARTICLE XIIIDAMAGE AND DESTRUCTIONSection 13.1. Damage and Destruction.

If the Premises are hereafter damaged or destroyed or rendered partially untenantable for their permitted use by fire or other casualty insured under the coverage which Landlord is obligated to carry pursuant to Section 11.1 hereof, Landlord shall promptly repair the same to substantially the condition which they were in immediately prior to the happening of such casualty (excluding stock in trade, fixtures, furniture, furnishings, carpeting, floor covering, wall covering, drapes and equipment), and from the date of such casualty until the Premises are so repaired and restored, only the Minimum Monthly Rent payments payable hereunder shall abate in such proportion as the part of said Premises thus destroyed or rendered untenantable bears to the total Premises; PROVIDED, HOWEVER, that Landlord shall not be obligated to repair and restore if such casualty is not covered by the insurance which Landlord is obligated to carry pursuant to Section 11.1 hereof or is caused directly or indirectly by the negligence of Tenant, its agents, and employees and in either of such events, no portion of the Minimum Monthly Rent and other payments payable hereunder shall abate, and PROVIDED, FURTHER, that Landlord shall not be obligated to expend for any repair or restoration an amount in excess of the insurance proceeds received by Landlord therefor, and provided, further, that if the Premises be damaged, destroyed or rendered untenantable for their accustomed uses by fire or other casualty to the extent of more than fifty percent (50%) of the cost to replace the Premises during the last three (3) years of the Lease Term, then Landlord shall have the right to terminate this Lease effective as of the date of such casualty by giving to Tenant, within sixty (60) days after the happening of such casualty, written notice of such termination. If such notice be given, this Lease shall terminate and Landlord shall promptly repay to Tenant any rent theretofore paid in advance which was not earned at the date of such casualty. Any time that Landlord repairs or restores the Premises after damage or destruction, then Tenant shall promptly repair or replace its stock in trade, fixtures, furnishings, furniture, carpeting, wall covering, floor covering, drapes, equipment and Premises to the same condition as they were in immediately prior to the casualty, and if Tenant has closed its business, Tenant shall promptly reopen for business upon the completion of such repairs.

Notwithstanding anything to the contrary set forth herein, in the event all or any portion of the Center shall be damaged or destroyed by fire or other cause (notwithstanding that the Premises may be unaffected thereby), to the extent the cost of restoration thereof would exceed fifteen percent (15%) of the amount it would have cost to replace the Center in its entirety at the time such damage or destruction occurred, then Landlord may terminate this Lease by giving Tenant thirty (30) days prior notice of Landlord's election to do so, which notice shall be given, if at all, within ninety (90) days following the date of such occurrence. In the event of the termination of this Lease as aforesaid, this Lease shall cease thirty (30) days after such notice is given, and the rent and other charges hereunder shall be adjusted as of that date.

ARTICLE XIVEMINENT DOMAINSection 14.1. Condemnation.

If any portion of the Premises or fifteen percent (15%) or more of the Center shall be acquired or condemned by right of eminent domain or transferred by agreement in lieu of condemnation for any public or quasi public use or purpose, or if an Operating Agreement is terminated as a result of such an acquisition or condemnation, then Landlord at its election may terminate this Lease by giving notice to Tenant of its election, and in such event rentals shall be apportioned and adjusted as of the date of termination. If the Lease shall not be terminated as aforesaid, then it shall continue in full force and effect, and Landlord shall within a reasonable time after possession is physically taken (subject to delays due to shortage of labor, materials or equipment, labor difficulties, breakdown of equipment, government restrictions, fires, other casualties or other causes beyond the reasonable control of Landlord) repair or rebuild what remains of the Premises for Tenant's occupancy; and a just proportion of the Minimum Annual Rent shall be abated,

according to the nature and extent of the injury to the Premises until such repairs and rebuilding are completed, and thereafter for the balance of the Lease Term.

Section 14.2. Damages.

Landlord reserves, and Tenant assigns to Landlord, all rights to damages on account of any taking or condemnation or any act of any public or quasi public authority for which damages are payable. Tenant shall execute such instruments of assignment as Landlord requires, join with Landlord in any action for the recovery of damages, if requested by Landlord, and turn over to Landlord any damages recovered in any proceeding. If Tenant fails to execute instruments required by Landlord, or undertake such other steps as requested, Landlord shall be deemed the duly authorized irrevocable agent and attorney-in-fact of Tenant to execute such instruments and undertake such steps on behalf of Tenant. However, Landlord does not reserve any damages payable for trade fixtures installed by Tenant at its own cost which are not part of the realty.

ARTICLE XV

DEFAULT BY TENANT

Section 15.1. Right to Re-Enter.

The following shall be considered for all purposes to be defaults under and breaches of this Lease: (a) any failure of Tenant to pay any rent or other amount when due hereunder; (b) any failure by Tenant to perform or observe any other of the terms, provisions, conditions and covenants of this Lease for more than ten (10) days after written notice of such failure; (c) a determination by Landlord that Tenant has submitted any false report required to be furnished hereunder; (d) anything done by Tenant upon or in connection with the Premises or the construction of any part thereof which directly or indirectly interferes in any way with, or results in a work stoppage in connection with, construction of any part of the Center or any other tenant's space; (e) the bankruptcy or insolvency of Tenant or the filing by or against Tenant of a petition in bankruptcy or for reorganization or arrangement or for the appointment of a receiver or trustee of all or a portion of Tenant's property, or Tenant's assignment for the benefit of creditors; (f) if Tenant abandons or vacates or does not do business in the Premises; (g) this Lease or Tenant's interest herein or in the Premises or any improvements thereon or any property of Tenant are executed upon or attached; (h) the Premises come into the hands of any person other than expressly permitted under this Lease; (i) any claim or lien is asserted or recorded against the interest of Landlord in the Premises or Center, or any portion thereof, on the account of, or extending from any improvement or work done by or at the instance, or for the benefit of Tenant, or any person claiming by, through or under Tenant or from any improvement or work the cost of which is the responsibility of Tenant; or (j) the default by Tenant or any affiliate of Tenant under any other lease with Landlord or any affiliate of Landlord. In any such event, and without grace period, demand or notice (the same being hereby waived by Tenant), Landlord, in addition to all other rights or remedies it may have, shall have the right thereupon or at any time thereafter to terminate this Lease by giving notice to Tenant stating the date upon which such termination shall be effective, and shall have the right, either before or after any such termination, to re-enter and take possession of the Premises, remove all persons and property from the Premises, store such property at Tenant's expense, and sell such property if necessary to satisfy any deficiency in payments by Tenant as required hereunder, all without notice or resort to legal process and without being deemed guilty of trespass or becoming liable for any loss or damage occasioned thereby. Nothing herein shall be construed to require Landlord to give any notice before exercising any of its rights and remedies provided for in Section 3.3 of this Lease. Notwithstanding anything to the contrary herein contained, if Tenant commits any default hereunder for or precedent to which or with respect to which notice is herein required, and commits such defaults within twelve (12) months thereafter, no notice shall thereafter be required to be given by Landlord as to or precedent to any such subsequent default during such twelve (12) month period (as Tenant hereby waives the same) before exercising any or all remedies available to Landlord.

Section 15.2. Right to Relet.

If Landlord re-enters the Premises as above provided, or if it takes possession pursuant to legal proceedings or otherwise, it may either terminate this Lease, but Tenant shall remain liable for all obligations arising during the balance of the original stated term as hereafter provided as if this Lease had remained in full force and effect, or it may, from time to time, without terminating this Lease, make such alterations and repairs as it deems advisable to relet the Premises, and relet the Premises or any part thereof for such term or terms (which may extend beyond the Lease Term) and at such rentals and upon such other terms and conditions as Landlord in its sole discretion deems advisable; upon

each such reletting all rentals received by Landlord therefrom shall be applied, first, to any indebtedness other than rent due hereunder from Tenant to Landlord; second, to pay any costs and expenses of reletting, including brokers and attorneys' fees and costs of alterations and repairs; third, to rent due hereunder, and the residue, if any, shall be held by Landlord and applied in payment of future rent as it becomes due hereunder.

If rentals received from such reletting during any month are less than that to be paid during that month by Tenant hereunder, Tenant shall immediately pay any such deficiency to Landlord. No re-entry or taking possession of the Premises by Landlord shall be construed as an election to terminate this Lease unless a written notice of such termination is given by Landlord.

Notwithstanding any such reletting without termination, Landlord may at any time thereafter terminate this Lease for any prior breach or default. If Landlord terminates this Lease for any breach, or otherwise takes any action on account of Tenant's breach or default hereunder, in addition to any other remedies it may have, it may recover from Tenant all damages incurred by reason of such breach or default, including the cost of recovering the Premises, brokerage fees and expenses of placing the Premises in rentable condition, attorneys' fees, and an amount equal to the difference between the Minimum Rent and all items of additional rents reserved hereunder for the period which otherwise would have constituted the balance of the Lease Term and the then present rental value of the Premises for such period, both discounted in accordance with accepted financial practice to the then present worth, at the average rate established and announced for United States Treasury Bills, with a maturity of thirteen (13) weeks at the four (4) weekly auctions held immediately prior to the date of such termination [the four (4) week average bill rate], all of which shall immediately be due and payable by Tenant to Landlord. In determining the rental value of the Premises, the rental realized by any reletting, if such reletting be accomplished by Landlord within a reasonable time after the termination of this Lease, shall be deemed prima facie to be the rental value, but if Landlord shall not undertake to relet or having undertaken to relet, has not accomplished reletting, then it will be conclusively presumed that the Minimum Rent and all items of additional rent reserved under this Lease represent the rental value of the Premises for the purposes herein (in which event Landlord may recover from Tenant, the full total of all Minimum Rent and all items of additional rent due hereunder, discounted to present value as hereinbefore provided). Landlord shall, however, account to Tenant for the Minimum Rent and additional rents received from persons using or occupying the Premises during the period representing that which would have constituted the balance of the Lease Term, but only at the end of said period, and only if Tenant shall have paid to Landlord its damages as provided herein, and only to the extent of sums recovered from Tenant as Landlord's damages, Tenant waiving any claim to any surplus. Nothing herein contained, however, shall limit or prejudice the right of Landlord to prove and obtain as damages by reason of such termination, an amount equal to the maximum allowed by any statute or rule of law in effect at the time when, and governing the proceedings in which, such damages are to be proved.

Tenant's obligation to reimburse Landlord for attorneys' fees as referred to in this Lease shall include all legal costs, fees and expenses arising out of (i) Tenant's default in the performance or observance of any of the terms, covenants, conditions or obligations contained in this Lease and Landlord places the enforcement of all or any part of this Lease, the collection of any rent due or to become due or the recovery of possession of the Premises in the hands of an attorney or (ii) Landlord's incurring any fees or out of pocket costs in any litigation, negotiation or transaction in which Tenant causes Landlord to be involved or concerned, in either event regardless of whether or not suit is actually filed.

In the event of any breach or threatened breach by Tenant of any of the terms and provisions of this Lease, Landlord shall have the right to injunctive relief as if no other remedies were provided for herein for such breach.

Any rights and remedies reserved by, or granted to, Landlord under this Lease, at law or in equity, are distinct, separate and cumulative, and the exercise of any one of them shall not be deemed to preclude, waive or prejudice Landlord's right to exercise any or all others.

Tenant expressly waives any right to assert a defense based on merger and agrees that neither the commencement of any action or proceeding, nor the settlement thereof, nor the entry of judgment therein, shall bar Landlord from bringing any subsequent actions or proceedings from time to time.

Wherever in this Lease Landlord has reserved or is granted the right of "reentry" into the Premises, the use of such word is not intended, nor shall it be construed, to be limited to its technical legal meaning.

Tenant waives and releases any claim arising out of or related to the payment of percentage rent by any successor tenant in the Premises, to whom Landlord may relet the Premises, but nothing contained herein shall obligate Landlord to relet if Tenant shall default hereunder.

Except as otherwise specifically required by this Lease, Tenant waives any and all statutory and legal notice requirements.

Any action, suit or proceeding relating to, arising out of or in connection with the terms, conditions and covenants of this Lease may be brought by Landlord against Tenant in the Circuit or Superior Court of Brevard County, Florida. Tenant hereby waives any objection to jurisdiction or venue in any proceeding before said Court. Nothing contained herein shall affect the right of Landlord to bring any action, suit or proceeding against Tenant in the courts of any other jurisdictions.

Section 15.3. Counterclaim.

If Landlord commences any proceedings for non-payment of rent (Minimum Annual Rent, Percentage Rent or additional rent), Tenant will interpose any compulsory or mandatory counterclaim required by the applicable procedural rules of the Court. The covenants to pay rent and other amounts hereunder are independent covenants and Tenant shall have no right to hold back, offset or fail to pay any such amounts for default by Landlord or any other reason whatsoever.

Section 15.4. Waiver of Rights of Redemption.

To the extent permitted by law, Tenant waives any and all rights of redemption granted by or under any present or future laws if Tenant is evicted or dispossessed for any cause, or if Landlord obtains possession of the Premises due to Tenant's default hereunder or otherwise.

Section 15.5. Waiver of Trial by Jury.

To the extent permitted by applicable law, Tenant hereby waives trial by jury in any action, proceeding or counterclaim brought by either party against the other on any matter whatsoever arising out of or in any way connected with this Lease, the relationship of Landlord and Tenant created hereby, Tenant's use or occupancy of the Premises or any claim or injury or damage.

Section 15.6. Bankruptcy.

A. Assumption of Lease. In the event Tenant shall become a Debtor under Chapter 7 of the Bankruptcy Code ("Code") or a petition for reorganization or adjustment of debts is filed concerning Tenant under Chapters 11 or 13 of the Code, or a proceeding is filed under Chapter 7 and is transferred to Chapters 11 or 13, the Trustee or Tenant, as Debtor and as Debtor-In-Possession, may not elect to assume this Lease unless, at the time of such assumption, the Trustee or Tenant has:

1. Cured or provided Landlord "Adequate Assurance" (as defined below) that:
 - (a) Within ten (10) days from the date of such assumption the Trustee or Tenant will cure all monetary defaults under this Lease and compensate Landlord for any actual pecuniary loss resulting from any existing default, including without limitation, Landlord's reasonable costs, expenses, accrued interest and attorneys' fees incurred as a result of the default;
 - (b) Within thirty (30) days from the date of such assumption the Trustee or Tenant will cure all non-monetary defaults under this Lease; and
 - (c) The assumption will be subject to all of the provisions of this Lease.
2. For purposes of this Section 15.6, Landlord and Tenant acknowledge that, in the context of a bankruptcy proceeding of Tenant, at a minimum "Adequate Assurance" shall mean:

- (a) The Trustee or Tenant has and will continue to have sufficient unencumbered assets after the payment of all secured obligations and administrative expenses to assure Landlord that the Trustee or Tenant will have sufficient funds to fulfill the obligations of Tenant under this Lease, and to keep the Premises stocked with merchandise and properly staffed with sufficient employees to conduct a fully-operational, actively promoted business in the Premises;
- (b) The Bankruptcy Court shall have entered an Order segregating sufficient cash payable to Landlord and/or the Trustee or Tenant shall have granted a valid and perfected first lien and security interest and/or mortgage in property of Trustee or Tenant acceptable as to value and kind to Landlord, to secure to Landlord the obligation of the Trustee or Tenant to cure the monetary and/or non-monetary defaults under this Lease within the time periods set forth above; and
- (c) The Trustee or Tenant at the very least shall deposit a sum equal to one (1) month's rent to be held by Landlord (without any allowance for interest thereon) to secure Tenant's future performance under the Lease.

B. Assignment of Lease. If the Trustee or Tenant has assumed the Lease pursuant to the provisions of this Section 15.6 for the purpose of assigning Tenant's interest hereunder to any other person or entity, such interest may be assigned only after the Trustee, Tenant or the proposed assignee have complied with all of the terms, covenants and conditions of Section 13.1 herein, including, without limitation, those with respect to additional rent and the use of the Premises only as permitted in Article I herein; Landlord and Tenant acknowledging that such terms, covenants and conditions are commercially reasonable in the context of a bankruptcy proceeding of Tenant. Any person or entity to which this Lease is assigned pursuant to the provisions of the Code shall be deemed without further act or deed to have assumed all of the obligations arising under this Lease on and after the date of such assignment. Any such assignee shall upon request execute and deliver to Landlord an instrument confirming such assignment.

C. Adequate Protection. Upon the filing of a petition by or against Tenant under the Code, Tenant, as Debtor and as Debtor-in-Possession, and any Trustee who may be appointed agree to adequately protect Landlord as follows:

- (1) To perform each and every obligation of Tenant under this Lease until such time as this Lease is either rejected or assumed by Order of the Bankruptcy Court;
- (2) To pay all monetary obligations required under this Lease, including without limitation, prorated from the date of filing until the date of rejection or assumption of the Lease or the payment of Minimum Monthly Rent, and such other additional rent charges payable hereunder which is considered reasonable compensation for the use and occupancy of the Premises;
- (3) Provide Landlord a minimum thirty (30) days prior written notice, unless a shorter period is agreed to in writing by the parties, of any proceeding relating to any assumption of this Lease or any intent to abandon the Premises, which abandonment shall be deemed a rejection of this Lease; and
- (4) To perform to the benefit of Landlord otherwise required under the Code.

The failure of Tenant to comply with the above shall result in an automatic rejection of this Lease.

D. Accumulative Rights. The rights, remedies and liabilities of Landlord and Tenant set forth in this Section 15.6 shall be in addition to those which may now or hereafter be accorded, or imposed upon, Landlord and Tenant by the Code.

ARTICLE XVI

TENANT'S PROPERTY

Section 16.1. Assets of Tenant.

To secure the performance of Tenant's obligations under this Lease, Tenant hereby grants to Landlord a security interest in and an express contractual lien upon all of Tenant's equipment, furniture, furnishings, appliances, goods, trade fixtures, inventory, chattels and personal property which will be brought upon the Premises by Tenant, and all after-acquired property, replacements and proceeds. Landlord is authorized to prepare and file financing statements signed only by Landlord (as secured party) covering the security described above (but Tenant hereby agrees to sign the same upon request). Upon any default under this Lease by Tenant, any or all of Tenant's obligations to Landlord secured hereby shall, at Landlord's option, be immediately due and payable without notice or demand. In addition to all rights or remedies of Landlord under this Lease and the law, including the right to a judicial foreclosure, Landlord shall have all the rights and remedies of a secured party under the Uniform Commercial Code of the State where the Center is located. Landlord's security interest shall be subordinate to the lien or security interest of any vendor or lessor of equipment or chattels upon the Premises or of any lender taking or succeeding to a purchase money security interest thereon, and upon Tenant's written request, if no default exists hereunder, Landlord shall execute Landlord's standard instrument confirming such subordination. Should Tenant or Tenant's lender or equipment lessor require modifications to such instrument, Tenant shall pay a Documentation Fee of One Hundred and 00/100 Dollars (\$100.00). This security agreement and the security interest hereby created shall survive the termination of this Lease if such termination results from Tenant's default. The above-described security interest and lien are in addition to and cumulative of the Landlord's lien provided by the laws of the State where the Center is located.

ARTICLE XVII

ACCESS BY LANDLORD

Section 17.1. Right of Entry.

Landlord, its agents and employees shall have the right to enter the Premises from time to time at reasonable times to examine the same, show them to prospective purchasers and other persons, and make such repairs, alterations, improvements or additions as Landlord deems desirable. Rent shall not abate while any such repairs, alterations, improvements, or additions are being made. During the last six (6) months of the Lease Term, Landlord may exhibit the Premises to prospective tenants and maintain upon the Premises notices deemed advisable by Landlord. In addition, during any apparent emergency, Landlord or its agents may enter the Premises forcibly without liability therefor and without in any manner affecting Tenant's obligations under this Lease. Nothing herein contained, however, shall be deemed to impose upon Landlord any obligation, responsibility or liability whatsoever, for any care, maintenance or repair except as otherwise herein expressly provided.

ARTICLE XVIII

HOLDING OVER

Section 18.1. Holding Over.

If Tenant holds over or occupies the Premises beyond the Lease Term (it being agreed there shall be no such holding over or occupancy without Landlord's written consent), no tenancy or interest in the Premises shall result therefrom but such holding over shall be subject to immediate eviction and removal, and Tenant shall pay Landlord for each day of such holding over a sum equal to the greater of (a) twice the Minimum Monthly Rent prorated for the number of days of such holding over, or (b) Minimum Annual Rent plus Percentage Rent prorated for the number of days of such holding over, plus, whichever of (a) or (b) is applicable, a prorata portion of all other amounts which Tenant would have been required to pay hereunder had this Lease been in effect.

ARTICLE XIX

QUIET ENJOYMENT

Section 19.1. Landlord's Covenant.

If Tenant pays the rents and other amounts herein provided, observes and performs all the covenants, terms and conditions hereof, Tenant shall peaceably and quietly hold and enjoy the Premises for the Lease Term without interruption by Landlord or any person or persons claiming by, through or under Landlord, subject, nevertheless, to the terms and conditions of this Lease.

ARTICLE XX

MISCELLANEOUS

Section 20.1. Waiver.

No waiver by Landlord or Tenant of any breach of any term, covenant or condition hereof shall be deemed a waiver of the same or any subsequent breach of the same or any other term, covenant or condition. The acceptance of rent by Landlord shall not be deemed a waiver of any earlier breach by Tenant of any term, covenant or condition hereof, regardless of Landlord's knowledge of such breach when such rent is accepted. No covenant, term or condition of this Lease shall be deemed waived by Landlord or Tenant unless waived in writing.

Section 20.2. Accord and Satisfaction.

Landlord is entitled to accept, receive and cash or deposit any payment made by Tenant for any reason or purpose or in any amount whatsoever, and apply the same at Landlord's option to any obligation of Tenant and the same shall not constitute payment of any amount owed except that to which Landlord has applied the same. No endorsement or statement on any check or letter of Tenant shall be deemed an accord and satisfaction or otherwise recognized for any purpose whatsoever. The acceptance of any such check or payment shall be without prejudice to Landlord's right to recover any and all amounts owed by Tenant hereunder and Landlord's right to pursue any other available remedy.

Section 20.3. Entire Agreement.

There are no representations, covenants, warranties, promises, agreements, conditions or undertakings, oral or written, between Landlord and Tenant other than herein set forth. Except as herein otherwise provided, no subsequent alteration, amendment, change or addition to this Lease shall be binding upon Landlord or Tenant unless in writing and signed by them. Tenant acknowledges that it has independently investigated the potential for the success of its operations in the Center and has not relied upon any inducements or representations on the part of Landlord or Landlord's representatives, other than those contained in the Lease. Tenant also acknowledges and agrees that, to the extent any projections, materials or discussions have related to Tenant's projected or likely sales volume, customer traffic or profitability, Tenant understands that any and all such projections, materials and discussions are based solely upon Landlord's experiences at other properties or upon standardized marketing studies, and that such projections, materials and discussions shall not be construed as a promise or guarantee that Tenant will realize the same or similar results.

Section 20.4. No Partnership.

Landlord does not, in any way or for any purpose, become a partner, employer, principal, master, agent or joint venturer of or with Tenant.

Section 20.5. Force Majeure.

If either party hereto shall be delayed or hindered in or prevented from the performance of any act required hereunder by reason of strikes, lockouts, labor troubles, inability to procure material, failure of power, restrictive governmental laws or regulations, riots, insurrection, war, environmental remediation work whether ordered by any governmental body or voluntarily initiated or other reason of a like nature not the fault of the party delayed in performing work or doing acts required under this Lease, the period for the performance of any such act shall be extended for a period equivalent to the period of such delay. Notwithstanding the foregoing, the provisions of this Section 24.5 shall at no time operate to excuse Tenant from the obligation to open for business on the Commencement Date, except in the event of an industry wide strike, nor any obligations for payment of Minimum Annual Rent,

Percentage Rent, additional rent or any other payments required by the terms of this Lease when the same are due, and all such amounts shall be paid when due.

Section 20.5. Captions and Section Numbers.

This Lease shall be construed without reference to titles of Articles and Sections, which are inserted only for convenience of reference.

Section 20.6. Representation by Tenant.

If Tenant is or will be a corporation, the persons executing this Lease on behalf of Tenant hereby covenant and warrant that Tenant is a duly qualified corporation authorized to do business in the State where the Center is located, that all franchise and corporate taxes have been paid to date and all future forms, reports, fees and other documents necessary to comply with applicable laws will be filed when due, and the person signing this Lease on behalf of the corporation is an officer of Tenant, and is duly authorized to sign and execute this Lease.

Tenant hereby represents and warrants that: (a) there are no proceedings pending or so far as Tenant knows threatened before any court or administrative agency that would materially adversely affect the financial condition of Tenant, the ability of Tenant to enter into this Lease or the validity or enforceability of this Lease; (b) there is no provision of any existing mortgage, indenture, contract or agreement binding on Tenant which would conflict with or in any way prevent the execution, delivery or performance of the terms of this Lease; (c) the financial statement of Tenant provided to Landlord in connection with this Lease is complete and correct and fairly presents the financial condition of Tenant as of the date and for the period referred to therein and has been prepared in accordance with generally accepted accounting principles consistently applied; and (d) there have been no material adverse changes in the financial condition of Tenant since the date of such financial statement and to the knowledge of Tenant, no such material adverse changes are pending or threatened. Tenant acknowledges that Landlord is executing this Lease in reliance upon the foregoing representation and warranty and that such representation and warranty is a material element of the consideration inducing Landlord to enter into and execute this Lease.

Section 20.7. Joint and Several Liability.

If Tenant is a partnership or other business organization the members of which are subject to personal liability, the liability of each such member shall be deemed to be joint and several.

Section 20.8. Limitation of Liability.

Anything to the contrary herein notwithstanding, no general or limited partner of the Landlord, or any general or limited partner of any partner of the Landlord, or any shareholder of any corporate partner of any partner of the Landlord, or any other holder of any equity interest in the Landlord, or in any entity comprising the Landlord or its partners, shall be personally liable with respect to any of the terms, covenants, conditions and provisions of this Lease, or the performance of Landlord's obligations under this Lease, nor shall Landlord or any of said constituent parties have any liability to Tenant for any consequential damages such as, but not limited to, lost profits. The liability of Landlord for Landlord's obligations under this Lease shall be limited to Landlord's interest in the Center, and Tenant shall look solely to the interest of Landlord, its successors and assigns, in the Center, for the satisfaction of each and every remedy of Tenant against Landlord. Tenant shall not look to any of Landlord's other assets seeking either to enforce Landlord's obligations under this Lease, or to satisfy any money or deficiency judgment for Landlord's failure to perform such obligations, such exculpation of personal liability is and shall be absolute and without any exception whatsoever.

The term "Landlord" shall mean only the owner at the time in question of the present Landlord's interest in the Center. In the event of a sale or transfer of the Center (by operation of law or otherwise) or in the event of the making of a lease of all or substantially all of the Center, or in the event of a sale or transfer (by operation of law or otherwise) of the leasehold estate under any such lease, the grantor, transferor or lessor, as the case may be, shall be and hereby is (to the extent of the interest or portion of the Center or leasehold estate sold, transferred or leased) automatically and entirely released and discharged, from and after the date of such sale, transfer or leasing of all liability with respect of the performance of any of the terms of this Lease on the part of Landlord thereafter to be performed; provided that the purchaser, transferee or lessee (collectively, "Transferee") shall be deemed to have assumed and agreed to perform, subject to the limitations of this Section (and without further agreement between the other parties hereto, or among such parties and the Transferee) and only during and in respect of the Transferee's period of ownership of the Landlord's

interest under this Lease, all of the terms of this Lease on the part of Landlord to be performed during such period of ownership, it being intended that Landlord's obligations hereunder shall, as limited by this Section, be binding on Landlord, its successors and assigns only during and in respect of their respective, successive periods of ownership.

Section 20.9. Partial Invalidity.

If any provision of this Lease or the application thereof to any person or circumstance shall to any extent be invalid or unenforceable, the remainder of this Lease, or the application of such provision to persons or circumstances other than those as to which it is invalid or unenforceable, shall not be affected thereby and each provision of this Lease shall be valid and enforceable to the fullest extent permitted by law.

Section 20.10. Applicable Law.

This Lease shall be construed under the laws of the State where the Center is located.

Section 20.11. Anti-Terrorism Law.

A. Tenant represents and warrants to Landlord as follows:

- (1) Neither Tenant, its constituents or affiliates nor any of their respective agents (collectively, the "Tenant Parties") is in violation of any law relating to terrorism or money laundering, including, but not limited to, Executive Order No. 13224 on Terrorist Financing, the U.S Bank Secrecy Act, as amended by the Patriot Act, the Trading with the Enemy Act, the International Emergency Economic Powers Act and all regulations promulgated thereunder, all as amended from time to time (collectively, "Anti-Terrorism Law").
- (2) No action, proceeding, investigation, charge, claim, report, or notice has been filed, commenced, or threatened against any of the Tenant Parties alleging any violation of any Anti-Terrorism Law.
- (3) None of the Tenant Parties has, after due inquiry, knowledge of any fact, event, circumstance, situation or condition which could reasonably be expected to result in any action, proceeding, investigation, charge, claim, report, notice or penalty being filed, commenced, threatened or imposed against any of them relating to any violation of or failure to comply with any Anti-Terrorism Law.
- (4) None of the Tenant Parties is a "Prohibited Person". A Prohibited Person means any of the following:
 - (a) A person or entity that is "specially designated" on the most current list published by the U.S. Treasury Department Office of Foreign Asset Control or which is owned, controlled by or acting for or on behalf of any such person or entity;
 - (b) A person or entity with whom Landlord is prohibited from dealing by any Anti-Terrorism Law;
 - (c) A person or entity that commits, threatens, or conspires to commit or supports "terrorism", as defined in any Anti-Terrorism Law.
- (5) None of the Tenant Parties:
 - (a) Conducts any business or transactions or makes or receives any contribution of funds, goods, or services in violation of any Anti-Terrorism Law;
 - (b) Engages in or conspires to engage in any transaction that evades or avoids, has the purpose of evading or avoiding or attempts to violate any of the prohibitions of any Anti-Terrorism Law.

B. Tenant covenants that it shall not:

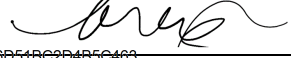
- (1) Conduct any business or transaction or make or receive any contribution of funds, goods, or services in violation of any Anti-Terrorism Law;
- (2) Engage in or conspire to engage in any transaction that evades or avoids, has the purpose of evading or avoiding or attempts to violate any of the prohibitions of any Anti-Terrorism Law.

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY BLANK]

IN WITNESS WHEREOF, Landlord and Tenant have signed and sealed this Lease as of the day and year first above written.

(LANDLORD)

DNGC PROPERTIES, LLC a Florida limited Liability Company

DocuSigned by:
By:  6/26/2023
6D51B62D4B5C403...
Michael Cerqua, President

(TENANT)

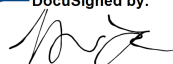
Brevard Shoe Closet ,LLC a Florida limited Liability Company

DocuSigned by:
By:  6/15/2023
00DE2C045E70411...

Name: William P Frazier

Its: CEO/Owner

Individually and Personally Guaranteed by

DocuSigned by:
By:  6/15/2023
00DE2C045E70411...

Name:_ William P Frazier

UPSTART COCOA MINORITY AND SMALL BUSINESS PROGRAM FORGIVABLE LOAN AGREEMENT

William Frazier, Brevard Shoe Closet Store

This **UPSTART COCOA MINORITY AND SMALL BUSINESS PROGRAM FORGIVABLE LOAN AGREEMENT** (hereinafter referred to as the "Agreement") is made and entered into this _____ day of _____, 2025, by and between the **City of Cocoa**, a Florida municipal corporation, the principal address of which is 65 Stone Street, Cocoa, Florida 32922, (hereinafter referred to as the "City") and **Ottomatic Threads**, a Florida LLC (hereinafter referred to as "Grantee"), the principal address of which is 513 S Cocoa Blvd, Cocoa, FL 32922 (hereinafter singularly referred to by their respective designation contained hereinabove, or as the "Party", and collectively as the "Parties").

RECITALS:

WHEREAS, in an effort to promote the growth of women and minority-owned small businesses (collectively, "Minority-Owned Businesses") throughout the City of Cocoa, the City has adopted and established the Upstart Cocoa Minority and Small Business Program (hereinafter referred to as the "Program") and the governing Upstart Cocoa Minority and Small Business Program Policy (hereinafter referred to as the "Policy"), which provide City financial assistance towards certain specified start-up, retention, or relocation costs and expenses for eligible enterprises within the City; and

WHEREAS, the City has found and declared that the Program serves an important and significant public purpose and is necessary and proper in order to promote the health, safety, and welfare of the public by providing vibrant and diverse retail businesses and services within the City; and

WHEREAS, Grantee is eligible for City financial assistance pursuant to the Program because it is either a startup Minority-Owned Business or an existing Minority-Owned Business that is relocating to the City and has already successfully completed a business education curriculum with the weVenture Women's Business Center at Florida Tech's Bisk College of Business or similar service provider at a cost of \$2,500.00 paid by the City; and

WHEREAS, Grantee is seeking assistance under the Program in the form of reimbursement for eligible expenses, such as capital equipment necessary for the operation of the business exceeding \$1,000 in cost, rent abatement, expansion costs, and marketing costs as further specified herein; and

WHEREAS, in order to offset such expenses of the business, the City, upon recommendation by the Upstart Cocoa Advisory Committee, has awarded funding in the amount of up to \$7,500.00, to be given pursuant to and contingent upon the terms of this Agreement; and

Upstart Cocoa Minority and Small Business Program
Forgivable Loan Agreement
City of Cocoa - _____

Page 1 of 2

TEMPLATE 5/2025

WHEREAS, the Grantee has provided to the City copies of its necessary business entity formation documents, registration with the Florida Secretary of State, and has applied or will apply for a City of Cocoa business tax receipt; and

WHEREAS, the governing Upstart Cocoa Minority and Small Business Program Policy is attached hereto as **EXHIBIT A**, which shall be fully incorporated herein by this reference; and

NOW, THEREFORE, in consideration of the promises and covenants set forth herein, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the City and Grantee agree as follows:

1. Incorporation of Recitals. The recitals set forth hereinabove are true and correct and are incorporated herein as if fully set out below.

2. Funding. Subject to Grantee complying with the conditions contained in this Agreement and specifically Section 4 hereunder, the City shall provide funding up to the maximum amount of seven thousand five hundred dollars (\$7,500.00) ("the Funding" or "Forgivable Loan") on a reimbursement basis in accordance with the following:

a. The City Council has approved, based on the recommendation of the Upstart Cocoa Review Committee, the following eligible expenses that may be reimbursed up to the maximum amount described above and shall not exceed the amount allocated below for each type of eligible expense (if applicable):

Type of Eligible Expenses	Maximum Amount/Conditions
Rent x3 months @\$1,500	\$4,500.00
Marketing	\$1,200.00
Inventory	\$1,800.00
TOTALS	\$7,500.00

b. To be reimbursed, the Grantee shall provide to the City of Cocoa Department of Economic Development the following:

(i) Paid receipts from laborers, suppliers, materialmen, contractors, sub-contractors, service providers and/or a landlord. The receipts must include the following information: 1) Name, address, and telephone number of laborer, supplier, materialmen, contractor, sub-contractor, and/or service providers performing work or supplying material or of a landlord receiving rent payments; 2) Date of work or material provided or rent received; 3) Description of property upon which the work was provided or to which the material was delivered or for which rent was paid; 4) Itemized description and cost of work provided (e.g. - who performed the work, how many hours involved, charge for work, type of work performed) or material supplied (e.g. – who supplied the material, quantity and type of material supplied, charge for material); 5) Statement of what work or material was for (e.g. – supplied 2 coats of coal tar emulsion sealer

Upstart Cocoa Minority and Small Business Program
Forgivable Loan Agreement
City of Cocoa - _____

Page 2 of 3

TEMPLATE 5/2025

with sand and latex additive to cover approximately 10,647 square feet of asphalt surface; supplied 26 feet fence for privacy fence to hide parking lot dumpster; number and measurements for privacy fence gate; labor time spent and LED wall pack etc. for parking lot lighting); 6) Statement signed by laborer, supplier, materialmen, contractor, sub-contractor, service provider or landlord that the amount billed has been paid by the Grantee; and 7) for proof of payment to any contractors/subcontractors, a copy of the Grantee's cancelled check with the proof of payment receipt. The paid receipts are subject to review and approval by the City's Department of Economic Development; and

(ii) Paid receipts demonstrating that the Grantee has paid at least 10 percent (10%) of the cost of the items approved for Funding from funds other than the Forgivable Loan.

c. All payments will be made to the Grantee approximately thirty (30) days from the date of receipt of the requisite documentation.

d. Purchases must be made after the Effective Date of this Agreement unless otherwise expressly approved by the City Council.

e. If all items for the above categories have been purchased and the amount the City has reimbursed Grantee is less than the maximum amount of Funding, Grantee may use the remaining funds for other item(s) not included in the proposal submitted, but that are associated with the startup or relocation of the business and are eligible expenses as provided in the Policy, upon approval by the Economic Development Manager, provided that the total amount reimbursed Grantee under the terms of this Agreement does not exceed the maximum amount of Funding.

f. If a specified amount is allocated to a specific type of eligible expense category listed above, such funds cannot be shifted in whole or in part to another category without approval from the Economic Development Manager or the City Council and must be in compliance with the terms of the Policy.

g. All Funding subject to this Agreement must be expended and reimbursed within one (1) year of the Effective Date of this Agreement.

h. By execution of this Agreement, the Grantee acknowledges that only State of Florida/Brevard County contractors licensed pursuant to Chapter 489, Florida Statutes, or as otherwise exempted under Section 489.103, Florida Statutes, shall be used to perform construction work, and that all legally required permits, certifications, licenses, and insurance shall be obtained for the work to be performed. Authorized work may not be performed by the Grantee and be reimbursed.

i. Reimbursement shall be denied for any instance in which the terms of this Agreement or the Policy have been violated.

3. Deferred Loan. The Funding is a deferred loan, whereby no interest will accrue upon the principal of the total award amount and payment to the City shall be deferred during the term of this Agreement. The loan shall depreciate at 33% each year for the first two years and 34% for the third year. At the end

of the three-year period, the loan shall be forgiven in its entirety as long as the Grantee is in compliance with the terms and conditions of this Agreement and the Policy. In the event of a Default, the City shall be entitled to recover, at minimum, a pro rata share (using a three-year amortization schedule for the loan proceeds) of the total Forgivable Loan amount based upon the year in which the Default occurs. Notwithstanding the forgoing, the entire Forgivable Loan shall be repaid in full in addition to the \$2,500.00 cost of the business education curriculum with the weVenture Women's Business Center at Florida Tech's Bisk College of Business or similar service provider expended by the City should the specific Default event be that the Grantee remains in business but relocates outside the City limits during the three-year period.

4. Conditions of Funding. The City shall not be obligated to provide the Funding in Section 2 herein to Grantee unless Grantee first meets the requirements set forth in Section 2 and maintains compliance with the other conditions listed in this Agreement and the Policy, including:

a. Grantee agrees and warrants to the City that the Funding reimbursed pursuant to this Agreement have and shall only be spent for purposes as approved in Section 2 above.

b. Grantee agrees and warrants that Grantee shall remain open for business at a City of Cocoa location for a period of at least three (3) years from the Effective Date of this Agreement. In addition, Grantee agrees that, if Grantee is not already open for business upon the Effective Date of this Agreement, Grantee shall be open for business and begin to provide services or products to the general public within six (6) months of the Effective Date of this Agreement. For Grantees that are not yet open for business at the time of the Effective Date of this Agreement, the Grantee shall be required to inform the Economic Development Manager of the date upon which the business is open and begins to provide services or products to the general public. Grantee shall further, at a minimum, be open for business at least 3 days per week and at least 6 hours per day for a minimum of 18 hours each work week, except in cases of emergency. If the City determines that the Grantee has not remained open for business for said three (3) – year period, has failed to timely open for business, and/or is consistently failing to maintain hours of operation as agreed to herein, the Grantee agrees that it shall constitute a Default as provided in Section 6 below.

c. Grantee shall at all times be in compliance with the Cocoa City Code, including, but not limited to, code sections pertaining specifically to planning, zoning and permitting, and Grantee shall maintain a current and valid City of Cocoa business tax receipt, which shall be obtained within 90 days of the Effective Date of this Agreement, and any other required licenses at all times. This part is not intended to preclude the City of Cocoa from granting Grantee certain waivers, exemptions, or variances as allowed under the Cocoa City Code.

d. Grantee shall display the City of Cocoa logo, as provided by the City, on the front main entrance door of the business and/or on the business's website as a funding partner for the term of this Agreement.

e. Grantee agrees to seek technical assistance from an economic development organization or company, approved by the Department of Economic Development, on an as-needed basis to address

financial issues, business strategy, and/or marketing, but only to the extent that such services are available to the Grantee at no cost.

f. Grantee shall provide and complete a Community Enrichment Element to “pay back” twenty-five percent (25%) of the Forgivable Loan amount within three (3) years from the Effective Date of this Agreement. The Community Enrichment Element shall consist of an act of giving back to the City of Cocoa community through the donation of volunteer hours, goods or services. Donations shall be made to a public entity, such as Cocoa High School, or a non-profit organization providing services to the Cocoa community. Volunteer hours shall be valued based on an hourly rate calculated from the participating employees’ salary or earnings, as approved by the Economic Development Manager.

g. Grantee shall submit annual reports to the Department of Economic Development describing the number of employees employed during the previous year, compliance with the conditions of Funding as required in this Agreement, including progress on the Community Enrichment Element, number of clients served, profit and loss statements, progress on business plan goals and objectives, and any other information reasonably requested by the Economic Development Manager, in a form acceptable to the Economic Development Manager. These reports may be delivered to the City Council for review.

h. If Grantee has been approved for financial assistance for lease costs (rent abatement), Grantee must secure a minimum of a one-year lease, with an option to renew for two additional one-year terms, in the City of Cocoa. A copy of this lease shall be provided to the Department of Economic Development within 90 days of the Effective Date of this Agreement.

i. Grantee must maintain compliance with all other requirements of the Policy attached hereto as **Exhibit A**.

j. Grantee shall make timely payment of any and all taxes owed by Grantee and shall timely file sales tax returns with the Florida Department of Revenue. Grantee shall further provide a copy of such filed sales tax return to the City’s Department of Economic Development and Finance Department either monthly or quarterly depending upon the filing frequency established by the Florida Department of Revenue.

5. Books and Records; Public Records. Grantee shall compile and maintain accurate books and records indicating its compliance with the requirements of this Agreement, and shall make such records available at a mutually agreed upon time for inspection and/or audit by the City during regular business hours. Financial records, supporting documentation, statistical and all other records pertinent to this Agreement shall be retained for a period of at least three (3) years after final payment by the City of any Funding, except that in all cases such records shall be retained until final resolution of matters resulting from any litigation, claim, or audit initiated prior to the expiration of the three-year retention period and shall continue to be subject to retention until the same is resolved to the satisfaction of the City. Grantee agrees that it may be audited for internal performance or accounting matters at any time by the City to assure compliance with this Agreement. Any monies finally determined as a result of any financial review or audit which are misspent or otherwise not spent as provided for in this Agreement shall be immediately

returned to the City. Prior to making any final determination of mispending or failure to comply with this Agreement by the Grantee, the City shall coordinate with the Grantee to allow the Grantee an opportunity to explain its actions or otherwise provide compliance with this Agreement.

Pursuant to Chapter 119, Florida Statutes, the Grantee agrees that any records, documents, transactions, writings, papers, letters, computerized information and programs, maps, books, audio or video tapes, films, photographs, data processing software, writings or other material(s), regardless of the physical form, characteristics, or means of transmission, of the Grantee related, directly or indirectly, to this Agreement and made or received pursuant to law or ordinance or in connection with the transaction of official business by the City, may be deemed to be a public record and subject to the provisions of Chapter 119, Florida Statutes, whether in the possession or control of City or the Grantee, and may not be destroyed without the specific written approval of the City's designated custodian of public records. The Grantee shall provide the City, upon request from the City, copies of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided by law. The Grantee agrees to comply with public records laws. Should the City not possess public records relating to this Agreement which are requested to be inspected or copied by the City or any other person, the City shall immediately notify the Grantee of the request and the Grantee shall then provide such records to the City or allow the records to be inspected or copied within a reasonable time. All public records in connection with this Agreement shall, at any and all reasonable times during the normal business hours of the Grantee, be open and freely exhibited to the City for the purpose of examination, audit, or otherwise. If the Grantee fails to comply with this Section, and the City must enforce this Section, or the City suffers a third party award of attorney's fees and/or damages for violating Chapter 119, Florida Statutes, due to Grantee's failure to comply with this Section, the City shall collect from Grantee prevailing party attorney's fees and costs, and any damages incurred by the City, for enforcing this Section against Grantee. And, if applicable, the City shall also be entitled to reimbursement of all attorneys' fees and damages which the City had to pay a third party because of the Grantee's failure to comply with this Section. The terms and conditions set forth in this Section shall survive the termination of this Agreement.

6. Default and Remedies. The occurrence of any one of the following events or conditions shall constitute a default and breach of this Agreement by Grantee, and shall entitle the City to enforce the terms of this Agreement and/or any Security Agreement signed by the Grantee and to pursue whatever remedies are available to it under Florida law or equity including, without limitation, termination of this Agreement, an action for specific performance, injunctive relief, immediate cessation of any payments contemplated herein to Grantee, and/or seeking reimbursement of either a prorated amount of the Funding or all of the Funding already paid by the City to Grantee, including the cost of the business education curriculum previously expended by the City. Except where the remedy has been specifically established in this Agreement, the election of remedies, including whether to seek reimbursement of the prorated amount of the Funding or all of the Funding already paid by the City to the Grantee shall be in the sole discretion of the City Council. Prior to the City filing or taking any action as a result of a default under this Agreement (other than immediate cessation of any payments contemplated herein to

Grantee), the City shall first provide the defaulting Grantee with written notice of said default. Upon receipt of said notice, the defaulting Grantee shall be provided a thirty (30) day opportunity in which to cure the default to the reasonable satisfaction of the City prior to filing or taking said action to the extent that such action may be cured.

a. Grantee's failure to comply with any of the requirements of this Agreement, specifically including the Conditions of Funding in Section 4 and the requirements of the Policy attached hereto as **Exhibit A**.

b. Grantee's sale of the business or change of the current business that would not independently qualify for the Program.

c. Grantee's making of a material misrepresentation in any certification or communication submitted by the Grantee to the City in an effort to induce the award of the grant, payment or the administration thereof that is determined to be false, misleading, or incorrect in any material manner.

d. Grantee is found guilty of, or enters a plea of no contest for, committing a misdemeanor or felony that is related to this Agreement.

e. Grantee defaults on its mortgage or terminates its lease without securing a new lease within the City of Cocoa.

Failure of the City to declare a default shall not constitute a waiver of any rights by the City. Furthermore, the waiver of any default by the City shall in no event be construed as a waiver of rights with respect to any other default, past or present.

7. Term and Termination. The term of this Agreement shall be for a period of three (3) years following the Effective Date of this Agreement. The City shall have the unconditional right, but not obligation, to terminate this Agreement, without penalty, if Developer fails to comply with the terms of this Agreement and the Policy attached hereto as **Exhibit A** and, if applicable, fails to cure any default within the time period allowed in Section 6.

8. Effective Date. This Agreement shall become effective upon approval by the City Council and execution of this Agreement by both parties hereto.

9. Indemnification. Grantee shall be solely responsible for all services, products, and work it performs as a business and for the safety of its own employees. As such, to the extent permitted by law, Grantee shall indemnify, defend and hold harmless the City, its agents, employees, and elected and appointed officials, and volunteers, including the Upstart Cocoa Advisory Committee and their members, from and against all claims, damages, losses, and expenses (including all attorneys' costs and fees reasonably and actually incurred, and all attorneys' costs and fees on appeal) arising out of or resulting from (i) Grantee's performance, nonperformance, breach or violation of this Agreement; (ii) Grantee's performance or production of goods and services for the public; or (iii) injury of the Grantee's own employees, and which are caused in whole or in part by Grantee, its agents, employees or subcontractors, anyone directly or

indirectly employed by any of them, or anyone for whose acts any of them may be liable. The forgoing obligation to indemnify, defend and hold harmless the City, its agents, employees, and elected and appointed officials, and volunteers shall specifically extend to and include all claims, damages, losses, and expenses arising from (i) injury or negligence based on a failure to train or supervise workers, employees, contractors, volunteers, or agents of the Grantee in performing services or supplying goods to the public; (ii) failure of the Grantee, or its employees, agents, or volunteers, to employ safety measures in the performance of work or to maintain a safe workplace; (iii) injury or negligence of any person arising from work, material, or equipment supplied that is subject to reimbursement pursuant to this Agreement; or (iv) failure to follow or correctly follow directions of the State or any other governmental entity.

The indemnification provided above shall obligate the Grantee to defend at its own expense or to provide for such defense, at the option of the City, as the case may be, of any and all claims of liability and all suits and actions of every name and description that may be brought against the City or its employees, officers, and attorneys which may result from the acts or omissions stated above under this Agreement whether performed by the Grantee, anyone directly or indirectly employed by the Grantee, or anyone otherwise authorized to act, in any manner, on their behalf. In all events, the City shall be permitted to choose legal counsel of its sole choice, the fees for which shall be reasonable and subject to and included with this indemnification provided herein. This indemnification provision shall survive termination of the Agreement.

10. Bankruptcy. In the event (a) an order or decree is entered appointing a receiver of Grantee or its assets, which is not appealed (or if appealed is determined adverse to Grantee) or (b) a petition is filed by Grantee for relief under federal bankruptcy laws or any other similar law or statute of the United States, which action is not dismissed, vacated or discharged within sixty (60) days after the filing thereof, then the City shall have the right to immediately terminate this Agreement.

11. Force Majeure. The parties shall use reasonable diligence to ultimately accomplish the purpose of this Agreement but shall not be liable to each other, or their successors or assigns, for breach of contract, including damages, costs, and attorney's fees (including costs or attorney's fees on appeal) as a result of such breach, or otherwise for failure to timely perform its obligations under this Agreement occasioned by any cause beyond the reasonable control and without the fault of the parties. Such causes may include but shall not be limited to acts of God, acts of terrorism or of the public enemy, acts of other governments (including regulatory entities or courts) in their sovereign or contractual capacity, fires, hurricanes, tornadoes, floods, strikes, or failure or breakdown of transmission or other utility facilities ("Force Majeure"). Notwithstanding anything herein to the contrary, if Grantee or the City is delayed, hindered or prevented in or from performing its respective obligations under this Agreement by any occurrence or event of Force Majeure, then the hindered party shall provide written notice to the other and the period for such performance shall be extended for the period such performance is delayed, hindered or prevented, and the party delayed, hindered or prevented in or from performing shall not be deemed in breach hereunder.

12. Agency. Grantee and City, and their agents, contractors, and subcontractors, shall perform all activities that are contained herein as independent entities and not as agents of each other.

13. Third-party Beneficiaries. This Agreement is solely for the benefit of the parties signing hereto and their successors and assigns, and no right, nor any cause of action, shall accrue to or for the benefit of any third party.

14. Binding Nature of Agreement. This Agreement shall be binding, and shall inure to the benefit of the successors or assigns of the parties hereto, and shall be binding upon and inure to the benefit of any person, firm, or corporation that may become the successor in interest, directly or indirectly, to the Business, or any portion thereof.

15. Controlling Law and Venue. This Agreement and the provisions contained herein shall be construed, controlled, and interpreted according to the laws of the State of Florida, and all duly adopted ordinances, regulation and policies of the City of Cocoa now in effect and those hereinafter adopted. Unless otherwise specified in this Agreement for a particular issue, all City ordinances, rules, regulations and policies are applicable. The location for settlement of any and all claims, controversies, or disputes, arising out of or relating to any part of this Agreement, or any breach hereof, shall be Brevard County, Florida for state court actions and Orlando, Florida for federal court actions.

16. No Liability or Monetary Remedy. Grantee hereby acknowledges and agrees that it is sophisticated and prudent in business transactions and proceeds at its own risk under advice of its own counsel and advisors and without reliance on the City, and that the City bears no liability for direct, indirect or consequential damages arising in any way out of this Agreement. The only remedy available to Grantee for any breach by the City is one of mandamus to require the City's specific performance under the terms and conditions of this Agreement.

17. Relationship. This Agreement does not evidence the creation of, nor shall it be construed as creating, a partnership or joint venture between Grantee and the City. Grantee cannot create any obligation or responsibility on behalf of the City or bind the City in any manner. Each party is acting for its own account, and it has made its own independent decisions to enter into this Agreement and as to whether the same is appropriate or proper for it based upon its own judgment and upon advice from such advisors as it has deemed necessary. Each party acknowledges that it is not acting as a fiduciary for or any advisor to the other in respect to this Agreement or any responsibility or obligation contemplated herein. Grantee further represents and acknowledges that no one was paid a fee, commission, gift, or other consideration by Grantee as an inducement to entering into this Agreement.

18. Personal Liability. No provision of this Agreement is intended, nor shall any be construed, as a covenant of any official (either elected or appointed), director, employee or agent of the City in an individual capacity and neither shall any such individuals be subject to personal liability by reason of any covenant or obligation of the City contained herein.

19. Entire Agreement. This Agreement constitutes the entire agreement between the parties with respect to the specific matters contained herein and supersedes all previous discussions, understandings, and agreements. Any amendments to or waiver of the provisions herein shall be made by the parties in writing.

20. Severability. If a sentence, phrase, paragraph, provision, or portion of this Agreement is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed an independent provision and such holding shall not affect the validity of the remaining portion hereto.

21. Estoppel Letter. Upon the request of Grantee or one of its lenders, the City hereby agrees to furnish a letter stating whether (i) this Agreement is in full force and effect, (ii) there are any defaults under this Agreement and, if any, identify them, and (iii) all amounts due and payable hereunder have been paid in full, and, if not, the outstanding balances hereunder. Such letter shall be furnished within ten (10) days after request therefore.

22. Notices. Any notice required or allowed to be delivered hereunder shall be in writing and deemed to be delivered when (i) hand delivered to the person hereinafter designated, (ii) if delivered to an overnight courier service, on the business day immediately following delivery to such service; or (iii) if mailed by certified mail, return receipt requested, on the third business day after mailing, addressed to the party at the address set forth below, or at such other address as the applicable party shall have specified, from time to time, by written notice to the other party delivered in accordance herewith:

City of Cocoa

City Manager
City of Cocoa
65 Stone Street
Cocoa, FL 32922

Grantee

Will Frazier
Brevard Shoe Closet Store
356 Palm Ave
Cocoa, FL 32922

23. Assignment. Grantee shall not assign this Agreement without the prior and written consent of the City, which shall not be unreasonably withheld. As stated above in Section 6, the sale of the business or change of the current business that would not independently qualify for the Program shall constitute a default, in which case the City's consent shall be withheld.

Upstart Cocoa Minority and Small Business Program
Forgivable Loan Agreement
City of Cocoa - _____

24. Grantee's Signatory. The undersigned person executing this Agreement on behalf of the Grantee hereby represents and warrants that he/she has the full authority to sign said Agreement for the Grantee and to fully bind the Grantee to the terms and conditions set forth in this Agreement.

25. Inspection. City staff is authorized to conduct an inspection of the Grantee's property at any time during regular business hours to ensure the terms and conditions of this Agreement have been met, and Grantee specifically consents to such inspections. The City agrees that any inspection shall be coordinated with the property owner or tenant and conducted in a manner so as to minimize interference with the business of the property owner or tenant.

26. Attorney's Fees. In the event any litigation or controversy arises out of or in connection with the parties hereto, each party shall bear their own costs and attorney's fees. Notwithstanding the foregoing, should the City determine that the Grantee must reimburse the City for failure to comply with this Agreement and terms and conditions of the Funding, the Grantee shall be responsible for all related costs and attorney's fees incurred by the City as to any related litigation or controversy.

27. Sovereign Immunity. The City intends to avail itself of the benefits of Section 768.28, Florida Statutes and any other statutes and common law governing sovereign immunity to the fullest extent possible. Neither this provision nor any other provision of this Agreement shall be construed as a waiver of the City's right to sovereign immunity under section 768.28, Florida Statutes, or other limitations imposed on the City's potential liability under state or federal law. As such, the City shall not be liable under this Agreement for punitive damages or interest for the period before judgment. Further, the City shall not be liable for any claim or judgment, or portion thereof, to any one person for more than two hundred thousand dollars (\$200,000.00), or any claim or judgment, or portion thereof, which, when totaled with all other claims or judgments paid by the State or its agencies and subdivisions arising out of the same incident or occurrence, exceeds the sum of three hundred thousand dollars (\$300,000.00). Nothing in this Agreement is intended to inure to the benefit of any third party for the purpose of allowing any claim which would otherwise be barred under the doctrine of sovereign immunity or by operation of law. This paragraph shall survive termination of this Agreement.

28. E-Verify Registration and Use.

- a. Pursuant to section 448.095, Florida Statutes, beginning January 1, 2021, Grantee shall register with and use the U.S. Department of Homeland Security's E-Verify system, <https://e-verify.uscis.gov/emp>, to verify the work authorization status of all employees hired on and after January 1, 2021.
- b. Subcontractors
 - (i) Grantee shall also require all subcontractors performing work under this Agreement to use the E-Verify system for any employees they may hire during the term of this Agreement.
 - (ii) Grantee shall obtain from all such subcontractors an affidavit stating the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, as defined in section 448.095, Florida Statutes.

Upstart Cocoa Minority and Small Business Program
Forgivable Loan Agreement
City of Cocoa - _____

Page 11 of 12

TEMPLATE 5/2025

(iii) Grantee shall provide a copy of all subcontractor affidavits to the City upon receipt and shall maintain a copy for the duration of the Agreement.

C. Grantee must provide evidence of compliance with section 448.095, Florida Statutes. Evidence shall consist of an affidavit from the Grantee stating all employees hired on and after January 1, 2021 have had their work authorization status verified through the E-Verify system and a copy of their proof of registration in the E-Verify system.

D. Failure to comply with this provision is a material breach of the Agreement, and shall result in the immediate termination of the Agreement without penalty to the City. Grantee shall be liable for all costs incurred by the City securing a replacement Agreement, including but not limited to, any increased costs for the same services, any costs due to delay, and rebidding costs, if applicable.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seal on the date first above written.

[SIGNATURE PAGES FOLLOW]

City of Cocoa

By: _____
Stockton Whitten, City Manager

Date: _____

APPROVED AS TO FORM

ATTEST:

By: _____
Monica Arsenault, City Clerk

By: _____
Anthony A. Garganese, City Attorney

CITY SEAL

Upstart Cocoa Minority and Small Business Program
Forgivable Loan Agreement
City of Cocoa - _____

STATE OF FLORIDA
COUNTY OF BREVARD

The foregoing instrument was acknowledged before me by means of () physical presence or () online notarization, this _____ day of _____, 2025, by Stockton Whitten, the City Manager of the City of Cocoa, on behalf of the City, who is personally known to me or produced _____ as identification.

(NOTARY SEAL)

(Notary Public Signature)

(Print Name)

Notary Public, State of _____

Commission No.: _____

My Commission Expires: _____

GRANTEE

Printed Name: _____

Title: _____

Date: _____

STATE OF _____
COUNTY OF _____

The foregoing instrument was acknowledged before me by means of () physical presence or () online notarization, this _____ day of _____, 2025, by _____, the _____ of _____, a Florida _____ . He is personally known to me or produced _____ as identification.

Upstart Cocoa Minority and Small Business Program
Forgivable Loan Agreement
City of Cocoa - _____

Page 13 of 14

TEMPLATE 5/2025

(NOTARY SEAL)

(Notary Public Signature)

(Print Name)

Notary Public, State of _____

Commission No.: _____

My Commission Expires: _____

EXHIBIT A

Upstart Cocoa Minority and Small Business Program Policy

Upstart Cocoa Minority and Small Business Program
Forgivable Loan Agreement
City of Cocoa - _____

Page 14 of 14

TEMPLATE 5/2025

CITY COUNCIL AGENDA ITEM

Memo Date: May 13, 2025
Agenda Date: May 27, 2025
File ID: 2025-463
Prepared By: Connor Williams, Grants Writer
Through: Samantha Senger, Communications & Economic Development Manager
Requested Action: Council approval to apply for a T-Mobile Hometown Grant for \$50,000.00 for improvements at Provost Park. Authorize the Director of Communications and Economic Development to submit the grant application.

BACKGROUND:

Staff is requesting approval to apply for a T-Mobile Hometown Grant, from T-Mobile and Main Street America, and authorize the Director of Communications and Economic Development to submit the grant application. The T-Mobile Hometown Grants program funds projects that build, rebuild, or refresh community spaces to help foster local connections in smaller communities. Applications are due quarterly, with the current cycle ending on June 30, 2025.

The Hometown Grants program awards up to \$50,000 for any given project. Staff wishes to submit an application for the "Provost Park Improvements" Project, which aims to improve the facilities at Provost Park – centered around the installation of accessible playground equipment around the existing playground and the installation of two Mini-Pitch Systems. The total project is anticipated to cost \$850,000.

The City was recently awarded a grant from Musco Sports Lighting and the U.S. Soccer Foundation's Safe Places to Play, giving the City a partner to construct the Mini-Pitches and financial assistance from the U.S. Soccer Foundation totaling at least \$10,000. Staff has approval from City Council at the 2-18-2025 Council Priorities and Planning Special Meeting to spend up to \$100,000 on the accessible playground equipment component. To cover the remaining components of the project, staff is currently seeking additional modes of funding from grants, like the Hometown Grant, and external sponsors to fund the remainder of the project.

The City expects to complete construction of all components of the Project within 12 months of securing full funding.

PRIORITY AREA CONNECTION:

Investment in Public Infrastructure

BUDGETARY IMPACT:

Budgeted? **No**

If not budgeted, is amendment / transfer attached? **No**
Staff will return to City Council upon award.

PREVIOUS ACTION:

Council originally supported the accessible playground project on their approval of the application for KABOOM!'s Community-Built Playspace Grant via agenda #24-319 on June 4, 2024, and then provided verbal approval to apply for the Safe Places to Play Grant and approved the \$100,000 inclusive playground funding intention during the City Council Priorities Workshop on February 18, 2025.

RECOMMENDED MOTION:

Council approval to apply for a T-Mobile Hometown Grant for \$50,000.00 for improvements at Provost Park. Authorize the Director of Communications and Economic Development to submit the grant application.



INTERNAL GRANT APPLICATION FORM

Completed and Signed Copy of this Form **Must Be Attached** to all Grant Agenda Items

DEPARTMENT: Communication and Economic Development	DIVISION: Economic Development
POINT OF CONTACT: Samantha Senger	PROJECT MANAGER: Samantha Senger
NAME OF GRANT: T-Mobile Hometown Grant	
Assistance Listing#/CFSA#: N/A	FUNDING AGENCY: T-Mobile
AMOUNT REQUESTED: \$50,000	GRANT DUE DATE: 06/30/2025
PROJECT DESCRIPTION: T-Mobile awards up to \$50,000 for shovel-ready projects that foster local connections, like technology upgrades, outdoor spaces, the arts, and community centers. The City is requesting \$50,000 for additions and improvements at Provost Park, covering the purchase and installation of accessible playground equipment, which has already been approved for \$100,000 in spending and estimated at around \$106,000 in expenses.	
MATCH REQUIRED: No (IF YES, HOW MUCH :) \$	TARGET DATE TO COUNCIL: 05/27/2025
REIMBURSEMENT GRANT: No	REIMBURSEMENT SCHEDULE: N/A
WHAT ARE THE REPORTING REQUIREMENTS? TBD	
FUTURE REQUIREMENTS TO CONSIDER: The playground is a smaller component of the wider \$850,000 project which includes a pair of "Mini-Pitch" soccer courts as well as related improvements to the site of Provost Park to accompany them. The grant's scope requires the application to be focused on the whole project, but staff will put the funds toward the playground first and work to secure additional revenue through grant applications and sponsorships.	

Samantha
Senger

Digitally signed by Samantha
Senger
Date: 2025.05.13 14:55:26
-04'00'

Department Director

Connor
Williams

Digitally signed by Connor
Williams
Date: 2025.05.13 16:16:24
-04'00'

Grants Writer

Lora Howell

Digitally signed by Lora
Howell
Date: 2025.05.13 16:19:37
-04'00'

Deputy Finance Director

Lora Howell

Digitally signed by Lora
Howell
Date: 2025.05.13 16:19:54
-04'00'

Finance Director

CITY COUNCIL AGENDA ITEM

Memo Date: May 16, 2025
Agenda Date: May 27, 2025
File ID: 2025-474
Prepared By: Thomas Wilkinson, Code Enforcement Manager
Through: Charlene Neuterman, Community Services Director
Requested Action: The approval of the applicants' request for a reduction of the current Code Enforcement Lien for the property located at 1501 Harvard Dr., be reduced to zero. Staff are in support of a lien reduction to the amount of zero, due to the minor violation and the short period of time it took the property owner to comply.

BACKGROUND:

LIEN REDUCTION REQUEST FOR 1501 Harvard Dr. CASE # CE19-00193

The Code Enforcement Board held a public hearing on **January 16, 2020**, at which time the Board found the owner, **Karen Scott**, in violation of the following:

- City Code, Chapter 6, Sec. 6-1003 (b) Protective Treatment.
- (exterior walls of the house needed to be painted or pressure washed)

The Code Enforcement Board provided the owners sufficient time of **February 16, 2020**, to correct said violation. Therefore, consistent with the Code Enforcement Board's Order, a Non-Compliance Hearing was held on **August 20, 2020**.

The lien ran at **\$25.00** per day from **February 16, 2020**, until compliance was achieved on **August 21, 2020**. Code records show the case was closed, leaving a fine of **\$4,675.00**. The property owner (**Karen Scott**) is requesting that the lien be reduced to the amount of **zero**.

Staff utilized the following factors in making its recommendation to reduce the lien:

- Whether the current owner owned the property at the time the violation(s) occurred; **Yes**
- Applicant resides at the property: **Yes**
- The number of violations related to the subject lien; **One**
- Number of Inspections performed: **10**
- Property Taxes: Taxes **are paid through 2024**
- Other Liens: **Records show no outstanding liens on the property. No water liens.**

- Property Inspection: **The property was inspected this morning, May 15, 2025, and was in-compliance before the Code Board Hearing. An inspection will also occur prior to the Council Meeting.**

The current market value of the subject property; the current market value is **\$171,900** according to the Brevard County Property Appraiser as a **Single-Family Residence**.

The Code Enforcement Board recommendation is that the lien be reduced to **\$1,627.66**.

The staff's recommendation is that the fine / lien be reduced to the amount of **zero**. This recommendation is based on the minor violation and the short period of time it took the property owner to come into compliance.

PRIORITY AREA CONNECTION:

Public Safety/Community Standards
Organizational Effectiveness

BUDGETARY IMPACT:

Budgeted? Yes/No

If not budgeted, is amendment / transfer attached?

Source/Use of Funds

<u>Account Number</u>	<u>Amount</u>
-----------------------	---------------

If a P.O. Change Order is involved, please complete the following:

Change Order Amount: \$

Original Purchase Order Amount: \$

For this Agenda Item note Prior Change Order Information:

Total Number of change orders to date:

Total amount in change orders to date: \$

PREVIOUS ACTION:

The Code Enforcement Board held a public hearing on January 16, 2020, at which time the Board found the property owner, Karen Scott, in violation of the above-mentioned sections of the City Code.

Violation Details:

Type: 1st Offense Violation(s)

Penalty Imposed: \$25.00 per day

Duration: From February 16, 2020, to August 21, 2020

Total Fine Amount: \$4,675.00

Lien Reduction Request: Karen Scott (property owner) is requesting a reduction of the lien to the amount of zero.

RECOMMENDED MOTION:

The approval of the applicants' request for a reduction of the current Code Enforcement Lien for the property located at 1501 Harvard Dr., be reduced to zero. Staff are in support of a lien reduction to the amount of zero, due to the minor violation and the short period of time it took the property owner to comply.

CITY OF COCOA
CODE ENFORCEMENT
STAFF REPORT
5/15/2025

LIEN REDUCTION REQUEST FOR
1501 Harvard Dr.

CASE # CE19-00193

The Code Enforcement Board held a public hearing on **January 16, 2020**, at which time the Board found the owner, **Karen Scott** in violation of the following:

- City Code, Chapter 6, Sec 6-1003 (b) Protective Treatment.

The Code Enforcement Board provided the owners sufficient time of **February 16, 2020**, to correct said violation. Therefore, consistent with the Code Enforcement Board's Order a Non-Compliance Hearing was held on **August 20, 2020**.

The lien ran at **\$25.00** per day from **February 16, 2020** until compliance was achieved on **August 21, 2020**. Code records show the case was closed leaving a fine of **\$4,675.00**. The property owner (**Karen Scott**) is requesting that the lien be reduced to the amount of **zero**.

Staff utilized the following factors in making its recommendation to reduce the lien:

- Whether the current owner owned the property at the time the violation(s) occurred; **Yes**
- Applicant resides at the property: **Yes**
- The number of violations related to the subject lien; **One**
- Number of Inspections performed: **10**
- Property Taxes: **Taxes are paid through 2024**
- Other Liens: **Records show no outstanding liens on the property. No water liens**
- Property Inspection: **The property was inspected this morning, May 15, 2025, and was in-compliance before the Code Board Hearing. An inspection will also occur prior to the Council Meeting**

The current market value of the subject property; the current market value is **\$171,900** according to the Brevard County Property Appraiser as a **Single-Family Residence**.

The staff's recommendation is that the fine / lien be reduced to **\$1,627.66** which is the cost of staff to prosecute this case. This reduction is based on the gravity of the violations, the length of time it took the property to come into compliance, and the total amount of the City's Cost.

**Cocoa Police Department
Code Enforcement Division
Affidavit for Cost Reimbursement of Code Enforcement Case**

Case#: CE-19-00193

Date: 05/15/25

Karen Scottt

Site Address: 1501 Harvard Dr.

Cocoa Code Enforcement has incurred actual costs, as defined in F.S.S 162.09 for cost by the City in Prosecuting this case.

A. Salaries of Code Enforcement staff. (Hourly rate: Officer-\$35.06, Coordinator-\$36.06, Manager-\$48.54, Chief-\$69.71 & City Attorney-\$150.00)

	Officer/Manager	# of Inspections	Hours	Rate	Total
1	Code Officer	10	0.75	\$35.06	\$262.95
2	Code Manager	4	0.75	\$48.54	\$145.62
3					
				Total A1	\$408.57

	Officer/Manager	Office Duties	Hours	Rate	Total
1	Code Officer	6	0.5	35.06	\$210.36
2	Code Manager	4	0.5	48.54	\$194.16
3					
				Total A2	\$404.52

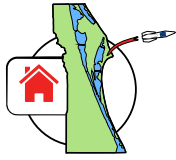
	Supporting Staff	Duty	Hours	Rate	Total
1	Code Coordinator	Case Duties	4	\$36.06	\$144.24
2	City Attorney	Case Duties	3	\$150.00	\$450.00
3	Chief	Board Hearings	0	\$69.71	\$0.00
4					
5					
				Total A3	\$594.24

B. Expenditures - Actual expenses incurred during the process of the Code Case.

	Item	Quantity	Amount	Total
1	Documents per Sheet	350	\$0.35	\$122.50
2	Large Envelope	52	\$0.64	\$33.28
3	Standard Envelope	12	\$0.10	\$1.20
4	Color Photo Prints	25	\$0.55	\$13.75
5	Standard Mail	6	\$0.55	\$3.30
6	Certified Mail	5	\$5.26	\$26.30
7	Recording Fees	2	\$10.00	\$20.00
8				
9				
			Total B	\$220.33

C. Total Amount of Cost (A1+A2+A3+B):

\$1,627.66

**REAL PROPERTY DETAILS**
Account 2415593 - Roll Year 2024

Owners	SCOTT, KAREN
Mailing Address	1501 HARVARD DR COCOA FL 32922
Site Address	1501 HARVARD DR COCOA FL 32922
Parcel ID	24-36-20-BO-4-8
Taxing District	23D0 - COCOA
Exemptions	HEX1 - HOMESTEAD FIRST HEX2 - HOMESTEAD ADDITIONAL
Property Use	0110 - SINGLE FAMILY RESIDENCE
Total Acres	0.24
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0012/0100
Subdivision	PINERIDGE UNIT NO 3
Land Description	PINERIDGE UNIT NO 3 LOT 8 BLK 4

**VALUE SUMMARY**

Category	2024	2023	2022
Market Value	\$171,900	\$148,880	\$125,990
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$42,050	\$40,830	\$39,650
Assessed Value School	\$42,050	\$40,830	\$39,650
Homestead Exemption	\$25,000	\$25,000	\$25,000
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$0	\$0	\$0
Taxable Value Non-School	\$17,050	\$15,830	\$14,650
Taxable Value School	\$17,050	\$15,830	\$14,650

SALES / TRANSFERS

Date	Price	Type	Instrument
10/15/2012	\$40,000	WD	6722/2866
10/11/2011	--	QC	6473/0511
02/01/1993	--	QC	3266/3954
06/28/1983	\$45,000	WD	2441/2670
01/01/1980	\$39,900	--	2215/0170
06/01/1979	\$340,000	--	2059/0247

BUILDINGS**PROPERTY DATA CARD #1****Building Use:** 0110 - SINGLE FAMILY RESIDENCE

Materials		Details	
Exterior Wall:	PAINTED EXTERIOR	Year Built	1959
Frame:	MASNRYCONC	Story Height	8
Roof:	BU-TG/MMBRN	Floors	1
Roof Structure:	HIP/GABLE	Residential Units	1
		Commercial Units	0
Sub-Areas		Extra Features	
Base Area (1st)	1,288	Screen Enclosure	90
Carport	264	Screen Enclosure	138
Open Porch	56		
Utility Room	84		
Utility Room	154		
Total Base Area	1,288		
Total Sub Area	1,846		



Application # CE - 19 - 193

LIEN REDUCTION APPLICATION

Cocoa Police Department
Code Enforcement Division
1226 W King Street
Cocoa, Florida 32922
Phone: (321) 433-8508

This application must be completed entirely. The property must be in compliance per the City Code Section 6-707(d), if the property does not meet the guidelines of the City Code the Lien Reduction Application will not be scheduled for a hearing before the Code Enforcement Board.

This form is divided into steps which will help you prepare your request, provide the necessary information, and prepare for the Code Enforcement Board and City Council hearing.

For Office Use Only - Date Received

RECEIVED
MAY 16 2024
BY: [Signature]

Stamp Only When Application is Fully Complete

Please TYPE or PRINT this application neatly.

1. Date: 5/14/2024

2. Applicant Information: * NOTE: Applicant is the main contact, who must attend the meeting.

Company (if applicable): _____

Name: Karen Scott

Mailing Address: 1501 Harvard Dr.

City: Cocoa State: FL Zip Code: 32922

Phone #: 321-501-8014 Fax #: _____

Mobile #: 321-501-8014 E-mail: ksbrevard@gmail.com

3. Property Owner Information:

* Check here if same as Applicant → ☒

* If more than one owner, attach additional sheet with names and addresses.

Company (if applicable): _____

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Phone #: _____ Fax #: _____

Mobile #: _____ E-mail: _____

4. Information for property on which lien occurs:

Street Address and Location: 1561 Harvard Dr.

Parcel ID:

24 - 36 - 20 - 30 - 48

Tax Account Number:

2	4	1	5	5	9	3
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Existing Use(s) on Property: Residence

Proposed Use(s) on Property: Self

(If residential – (circle one) owner occupied or rental), if rental does property owner anticipate accepting any state or federal rental subsidies? *Ans*

Nature of Violation(s): Side Of House w/ In

Date Fine or Lien Imposed: 2/14/2020 Amount of Fine: 4685.00
per day

Have the violation(s) on the subject property been corrected: Yes / No (Circle one)

Date upon which the subject property was brought into compliance: 8/21/2020

5. Please provide the following information:

Code enforcement case number. 19193

Were you the property owner at the time the lien was imposed? Yes No (Circle one) If so, how many days did it take from the board order to the date compliance was achieved? _____

If you were not the property at the time the violation occurred, were you aware of the lien when you purchased the property? Yes / No / NA (Circle one) If the property was not in compliance at the time you purchased the property how many days from the time of purchase did it take for you to come into compliance? 1/2

Did you receive the Notice of Violation issued by the Code Enforcement Division: Yes / No (Circle one)

Did you receive the Finding of Facts issued by the Code Enforcement Board: Yes / No (Circle one)

The factual basis upon which the application for reduction of the lien should be granted:

Misunderstanding

The reasons, if any, compliance was not obtained prior to the order of penalty or fine being recorded:

Sickness and death in family

Amount you are requesting that the lien be reduced to: 0

Please provide any other information deemed pertinent to this request, including but not limited to the circumstances that exist which would warrant the reduction or forgiveness of the penalty or fine. Include documentation of any financial investment made to physically improve the property:

Are there any other properties within the jurisdictional limits of the City of Cocoa owned by the applicant and/or owners of the subject property on which code violations have been alleged, of which the case is still active, or a Finding of Facts has been entered by the Code Enforcement Board, if so please provide the address, the nature of violation and the status of such: NO

6. Please submit the following items in order complete the application:

- a. ☒ Notarized application.
- b. ☒ Reimbursement to City for recording costs at time of application. Pursuant to Section 6-707(c), Code of the City of Cocoa, at the time of application, payment to the city in the amount necessary to reimburse the City for its costs associated with processing and recording the order imposing a penalty or fine and the requested satisfaction or release of lien. Please make checks payable to the 'City of Cocoa' and submit payment ONLY to the Community Services Department. Please note that these costs are non-refundable without regard for the final disposition of the application for satisfaction or release of lien. The application fee is \$20.00 and will need to be paid at the time the application is submitted.
- c. ☐ Letter of authorization. If the applicant is not the property owner, a notarized letter of authorization or agent affidavit is required, unless the applicant is the Attorney of the owner. Each property owner must complete a separate authorization form or other suitable documentation to allow the agent to act upon his/her behalf.
- d. ☐ Corporate documents. If the applicant/owner is representing a company, articles of incorporation which show the applicant/owner is authorized to represent the company is required. A data record printout from the Florida Department of State, Division of Corporations website may also be provided (<http://www.sunbiz.org/corpweb/inquiry/search.html>).
- e. ☐ Additional information (optional). Submit any information that may be helpful in understanding the request. This may include photos, sketches, elevations, or letters from adjoining property owners.

7. **Application Filing Procedure.** This application, together with all required exhibits and attachments, shall be completed and filed with the Code Enforcement Division by the third Friday of each month at 5:00 pm in order to be scheduled for public hearing for the following month.

8. **Procedure per City Code.** Section 6-707 states the City Lien Reduction rules and procedures for applying for a reduction. It is the applicant's responsibility to read and understand the rules and procedures that are located on page 6 of the Lien Reduction Application
9. **Board Action.** An Inspection of the property must be performed to be scheduled at the Code Board. Following a presentation by staff and testimony offered by the applicant, the Code Enforcement Board will formulate a recommendation to City Council.
10. **City Council Action.** An Inspection of the property must be performed to be scheduled before council. Following the Code Enforcement Board making a recommendation to the City Council, staff will schedule the item for the next available City Council regular meeting.
11. **Inspections.** I agree to allow Code Enforcement to inspect my property and give consent to walk the property before proceeding with this reduction ☒ YES ☐ NO

Signature below will also show that consent to inspect was given by the property owner or representative.

12. Signatures and Notarization.

STATE OF Florida COUNTY OF Brevard I, Karen Scott
being first duly sworn, depose and say that:

- ☒ I am the applicant, or if corporation, I am the officer of the corporation authorized to act on this request.
- ☐ I am the legal representative of the applicant of this application and a notarized Letter of Authorization form or agent affidavit accompanies this application giving written, unless the applicant is the Attorney representing the owner.

I hereby certify that I have read, completed and understand this Application and understand that if my application and all associated attachments are not complete and accurate in all respects, the application will not be scheduled for a public hearing. I further understand that this application must be complete and accurate prior to the advertising of a public hearing.

Karen Scott
(APPLICANT SIGNATURE)
Public)

Notary Public State of Florida
Darla D Crowl
My Commission HH 327608
Expires 11/11/2026
(Print, Type, or Stamp Commissioned Name of Notary)

Personally Known ☐ OR Produced Identification ☒

Type of I.D. Produced FL DL

Darla D Crowl
(NOTARY PUBLIC SIGNATURE)

STATE OF FLORIDA, COUNTY OF BREVARD

Sworn and subscribed to before me this 16 day of May, 20 24

**CODE ENFORCEMENT BOARD
CITY OF COCOA, FLORIDA
CASE NO. 19-193**

THE CITY OF COCOA

A Florida Municipal Corporation,
Complainant,

vs.

Scott, Karen

Owners of the Property located at:
1501 Harvard Dr
Cocoa, FL 32922

Parcel ID: 24-36-20-BO-4-8

Respondent,

_____ /

FINDINGS OF FACT, CONCLUSIONS OF LAW AND ORDER

THIS CAUSE, having come for consideration, after being duly noticed, before the Code Enforcement Board of the City of Cocoa, Florida, on January 16, 2020 to determine whether any violations of the City of Cocoa Code of Ordinances exist or existed on the property. The Board, having heard the arguments of the parties and the evidence presented and having reviewed the record and being otherwise fully advised, makes the following Findings of Fact, Conclusions of Law and Order as set forth herein.

Findings of Fact and Conclusions of Law

Based upon the evidence and testimony presented at this hearing, the Code Enforcement Board finds: That a code enforcement officer of the City of Cocoa determined the Subject Property was in violation of: XXVII.Protective Treatment, Ch 6 Sec. 6-1003 (b), of the City Code, and issued a Notice of Violation to Respondent giving a reasonable time to correct the violation(s).

1. That Respondent failed to correct such violation(s) within the reasonable time period provided in the Notice of Violation. Pursuant to section 162.06, Florida Statutes, this hearing was scheduled. Proper written notice of this hearing was given to Respondent.

2. That based on the testimony and evidence presented, including Staff's presentation, the Board finds Respondent is in violation of the following: XXVII.Protective Treatment, Ch 6 Sec. 6-1003 (b), of the City Code.

CASE NO: 19-193

Order

BASED UPON THE FOREGOING FACTS AND CONCLUSIONS OF LAW, IT IS HEREBY ORDERED:

1. Respondent shall be given until February 16, 2020 to correct all violations set forth herein on the property.

2. If Respondent fails to correct all cited violations within the time period set forth herein, the Code Enforcement Officer shall schedule this Case to appear for a compliance hearing before the Code Enforcement Board at a date to be determined, where the sole issue to be considered is whether compliance has been achieved on all violations. Respondent will be given an opportunity to appear and present evidence regarding compliance.

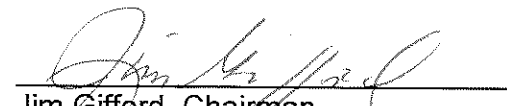
3. Upon a finding by the Code Enforcement Board that the property was not brought into compliance by the date set forth in this Order, a fine in the amount of twenty-five dollars (\$25.00) per day may be imposed for each and every day any of the violations continue past the above-stated date ordered for compliance by the Board and the daily fines shall continue to run until the violation is corrected and full compliance is confirmed by the Code Enforcement Officer. Respondent shall be responsible to immediately notify the Code Enforcement Officer if the property has been brought into compliance.

4. If the Board finds Respondent failed to comply with all violations by the date set forth herein, an Order Imposing Fine shall be entered and a certified copy of said Order may be recorded in the public records of Brevard County, Florida, which shall serve as a lien against the property.

Once the violations have been corrected, any of the same violations by Respondent within five years may constitute a repeat violation where the Board may impose a fine of up to \$500.00 per day for each day the violation exists beginning the day the repeat violation is first observed by the Code Enforcement Officer.

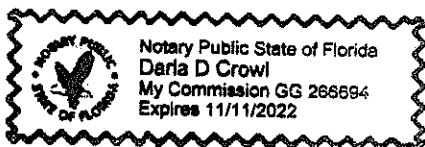
DONE AND ORDERED THIS 16 DAY OF January, 2020.

CODE ENFORCEMENT BOARD OF THE
CITY OF COCOA, FLORIDA


Jim Gifford, Chairman

I CERTIFY THAT A COPY OF THIS ORDER was furnished to Respondent(s) at Scott, Karen, whose mailing address is 1501 Harvard Dr Cocoa FL 32922 this 16 day of January, 2020 via hand delivery/ certified mail/ U.S. mail/ posting (mark all that apply).


Secretary, Code Enforcement Board



CODE ENFORCEMENT BOARD
CITY OF COCOA, FLORIDA
CASE NO. 19-193
8/20/2020

THE CITY OF COCOA
A Florida Municipal Corporation

Complainant,

vs.

Scott, Karen
Owners of the Property located at:
1501 Harvard Dr
Cocoa FL 32922

Parcel ID: 24-36-20-BO-4-8

Respondent,

CFN 2020225383, OR BK 8884 PAGE 1807.
Recorded 10/13/2020 at 02:50 PM, Scott Ellis, Clerk of
Courts, Brevard County
Pgs:1

ORDER IMPOSING ADMINISTRATIVE FINE/LIEN

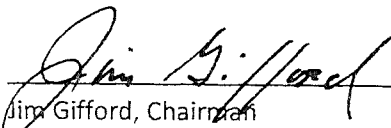
THIS CAUSE, having come for consideration, after being duly noticed, before the Code Enforcement Board of the City of Cocoa, Florida, on 8/20/2020 to determine whether any violations of the City of Cocoa Code of Ordinances existed on the property. The Board, having heard the arguments of the parties and the evidence presented and having reviewed the record and being otherwise fully advised, issued the Findings of Fact, Conclusions of Law and Order. The Order required the Respondent to come into compliance by 2/16/2020

At a duly noticed Compliance Hearing of Code Enforcement Board the Respondent was found in non-compliance of the Board Order. It is hereby Ordered that the City of Cocoa shall impose a fine in the amount of \$75.00 per day until the violation is corrected and full compliance is confirmed by the Code Enforcement Officer.

This Order shall be recorded in the public records for Brevard County, Florida, which shall serve as a lien against and upon any real or personal property owned by the Respondent pursuant to Section 162.08 and 162.09, Florida Statutes.

DONE AND ORDERED at Cocoa, Florida, this 20th , day of August, 2020

CODE ENFORCEMENT BOARD OF THE CITY OF COCOA, FLORIDA

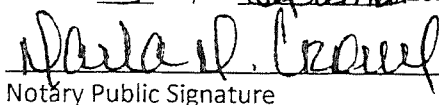

Jim Gifford, Chairman

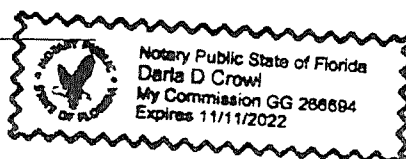
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COCOA CITY
65 STONE ST
COCOA, FL 32922-7807

CERTIFICATION:

State of Florida, County of Brevard

I hereby certify that this is an Original Copy of the Order of the Code Enforcement Board that was acknowledged before me this 3 day of September 2020, by Jim Gifford, Chairman of the City of Cocoa Code Enforcement Board.


Notary Public Signature



CITY COUNCIL AGENDA ITEM

Memo Date: May 16, 2025
Agenda Date: May 27, 2025
File ID: 2025-475
Prepared By: Thomas Wilkinson, Code Enforcement Manager
Through: Charlene Neuterman, Community Services Director
Requested Action: The approval of the applicants' request for a reduction of the current Code Enforcement Lien of \$12,820.00 for the property located at 1106 Mitchell St., be reduced to the City Costs. Staff are in support of a lien reduction to the amount of \$2,384.14, to cover the city's costs.

BACKGROUND:

LIEN REDUCTION REQUEST FOR 1106 Mitchell St. CASE # CE23-0156

The Code Enforcement Board held a public hearing on **January 18, 2024**, at which time the Board found the owner, **One Stop Construction**, in violation of the following:

- City Code, Chapter 6, Sec. 6-1003 (g) Roofs and Drainage. (The property needed a new roof and permits)

The Code Enforcement Board provided the owners sufficient time of **March 3rd, 2024**, to correct said violation. Therefore, consistent with the Code Enforcement Board's Order, a Non-Compliance Hearing was held on **March 21, 2024**.

The lien ran at **\$50.00** per day from **March 3, 2024**, until compliance was achieved on **November 14, 2024**. Code records show the case was closed, leaving a fine of **\$12,820.00**. The property owner, **One Stop Construction (Jesus Velazquez)**, is requesting that the lien be reduced to the amount of the City's **cost**.

Staff utilized the following factors in making its recommendation to reduce the lien:

- Whether the current owner owned the property at the time the violation(s) occurred; **Yes**
- Applicant resides at the property: **No**
- The number of violations related to the subject lien; **One**
- Number of Inspections performed: **20**
- Property Taxes: **Taxes are paid through 2024**
- Other Liens: **Records show no outstanding liens on the property. No water**

lien.

- Property Inspection: **The property was inspected this morning, May 15, 2025, and was in-compliance before the Code Board Hearing. An inspection will also occur prior to the Council Meeting.**

The current market value of the subject property; the current market value is **\$121,130**, according to the Brevard County Property Appraiser as a **Single-Family Residence**.

The Code Enforcement Board's recommendation at the May 15, 2025, Code Enforcement Board hearing is that the lien stay at \$12,820.00.

The staff's recommendation is that the fine / lien be reduced to **\$2,384.14**, which is the cost of staff to prosecute this case. This reduction is based on the gravity of the violations, the length of time it took the property to come into compliance, and the total amount of the City's cost.

PRIORITY AREA CONNECTION:

Public Safety/Community Standards
Organizational Effectiveness

BUDGETARY IMPACT:

Budgeted? Yes/No

If not budgeted, is amendment / transfer attached?

Source/Use of Funds

Account Number

Amount

If a P.O. Change Order is involved, please complete the following:

Change Order Amount: \$

Original Purchase Order Amount: \$

For this Agenda Item note Prior Change Order Information:

Total Number of change orders to date:

Total amount in change orders to date: \$

PREVIOUS ACTION:

The Code Enforcement Board held a public hearing on January 18, 2024, at which time the Board found the property owner, One Stop Construction, in violation of the City Code.

Violation Details:

Type: 1st Offense Violation(s)

Penalty Imposed: \$50.00 per day

Duration: From March 3, 2024, to November 14, 2024
Total Fine Amount: \$12,820.00

One Stop Construction (Jesus Velazquez) is requesting a reduction of the current Code Enforcement Lien for the property at 1106 Mitchell St., be reduced to the amount of \$2,384.14, the City's cost.

RECOMMENDED MOTION:

The approval of the applicants' request for a reduction of the current Code Enforcement Lien of \$12,820.00 for the property located at 1106 Mitchell St., be reduced to the City Costs. Staff are in support of a lien reduction to the amount of \$2,384.14, to cover the city's costs.

CITY OF COCOA
CODE ENFORCEMENT
STAFF REPORT
5/15/2025

LIEN REDUCTION REQUEST FOR
1106 Mitchell St.

CASE # CE23-0156

The Code Enforcement Board held a public hearing on **January 18, 2024**, at which time the Board found the owner, **One Stop Construction** in violation of the following:

- City Code, Chapter 6, Sec 6-1003 (g) Roofs and Drainage.

The Code Enforcement Board provided the owners sufficient time of **March 3rd, 2024**, to correct said violation. Therefore, consistent with the Code Enforcement Board's Order a Non-Compliance Hearing was held on **March 21, 2024**.

The lien ran at **\$50.00** per day from **March 3, 2024** until compliance was achieved on **November 14, 2024**. Code records show the case was closed leaving a fine of **\$12,820.00**. The property owner **One Stop Construction (Jesus Velazquez)** is requesting that the lien be reduced to the amount of **City's Cost**.

Staff utilized the following factors in making its recommendation to reduce the lien:

- Whether the current owner owned the property at the time the violation(s) occurred; **Yes**
- Applicant resides at the property: **No**
- The number of violations related to the subject lien; **One**
- Number of Inspections performed: **20**
- Property Taxes: **Taxes are paid through 2024**
- Other Liens: **Records show no outstanding liens on the property. No water liens**
- Property Inspection: **The property was inspected this morning, May 15, 2025, and was in-compliance before the Code Board Hearing. An inspection will also occur prior to the Council Meeting**

The current market value of the subject property; the current market value is **\$121,130** according to the Brevard County Property Appraiser as a **Single-Family Residence**.

The staff's recommendation is that the fine / lien be reduced to **\$2,384.14** which is the cost of staff to prosecute this case. This reduction is based on the gravity of the violations, the length of time it took the property to come into compliance, and the total amount of the City's Cost.

**Cocoa Police Department
Code Enforcement Division
Affidavit for Cost Reimbursement of Code Enforcement Case**

Case#: CE-23-0156

Date: 05/15/25

Jesus Velazquez

Site Address: 1106 Mitchell St.

Cocoa Code Enforcement has incurred actual costs, as defined in F.S.S 162.09 for cost by the City in Prosecuting this case.

A. Salaries of Code Enforcement staff. (Hourly rate: Officer-\$35.06, Coordinator-\$36.06, Manager-\$48.54, Chief-\$69.71 & City Attorney-\$150.00)

	Officer/Manager	# of Inspections	Hours	Rate	Total
1	Code Officer	20	0.75	\$35.06	\$525.90
2	Code Manager	6	0.75	\$48.54	\$218.43
3					
				Total A1	\$744.33

	Officer/Manager	Office Duties	Hours	Rate	Total
1	Code Officer	18	0.5	35.06	\$631.08
2	Code Manager	4	0.5	48.54	\$194.16
3					
				Total A2	\$825.24

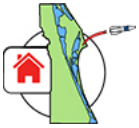
	Supporting Staff	Duty	Hours	Rate	Total
1	Code Coordinator	Case Duties	4	\$36.06	\$144.24
2	City Attorney	Case Duties	3	\$150.00	\$450.00
3	Chief	Board Hearings	0	\$69.71	\$0.00
4					
5					
				Total A3	\$594.24

B. Expenditures - Actual expenses incurred during the process of the Code Case.

	Item	Quantity	Amount	Total
1	Documents per Sheet	350	\$0.35	\$122.50
2	Large Envelope	52	\$0.64	\$33.28
3	Standard Envelope	12	\$0.10	\$1.20
4	Color Photo Prints	25	\$0.55	\$13.75
5	Standard Mail	6	\$0.55	\$3.30
6	Certified Mail	5	\$5.26	\$26.30
7	Recording Fees	2	\$10.00	\$20.00
8				
9				
			Total B	\$220.33

C. Total Amount of Cost (A1+A2+A3+B):

\$2,384.14



Brevard County Property Appraiser

Titusville • Viera • Melbourne • Palm Bay

Phone: (321) 264-6700

<https://www.bcpao.us>

PROPERTY DETAILS

Account	2422655
Owners	ONE STOP CONSTRUCTION INC
Mailing Address	4214 SW 2ND TER CORAL GABLES FL 33134
Site Address	1106 MITCHELL ST COCOA FL 32922
Parcel ID	24-36-29-78-*74
Property Use	0110 - SINGLE FAMILY RESIDENCE
Exemptions	NONE
Taxing District	23D0 - COCOA
Total Acres	0.17
Subdivision	BROADMOOR ACRES SUBD
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0010/0045
Land Description	BROADMOOR ACRES SUBD LOT 74



VALUE SUMMARY

Category	2022	2021	2020
Market Value	\$94,100	\$58,060	\$53,060
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$63,430	\$57,670	\$52,430
Assessed Value School	\$94,100	\$58,060	\$53,060
Homestead Exemption	\$0	\$0	\$0
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$0	\$0	\$0
Taxable Value Non-School	\$63,430	\$57,670	\$52,430
Taxable Value School	\$94,100	\$58,060	\$53,060

SALES/TRANSFERS

Date	Price	Type	Instrument
01/13/2023	\$130,000	WD	9699/0690
01/11/2023	\$120,000	WD	9698/1213
05/31/2016	\$59,000	WD	7652/0097
04/27/2005	--	QC	5457/7857
04/22/2005	--	QC	5456/0052
06/27/2003	\$45,000	WD	4962/3556
04/01/1991	\$31,900	NN	3123/2349
06/01/1990	--	QC	3067/1317
08/01/1977	\$18,500	--	1774/0126
12/01/1975	\$178,000	--	1584/0756

BUILDINGS

PROPERTY DATA CARD #1

Building Use: 0110 - SINGLE FAMILY RESIDENCE

Materials	Details
Exterior Wall: STUCCO	Year Built 1951
Frame: MASNRYCONC	Story Height 8
Roof: ASPH/ASB SHNGL	Floors 1
Roof Structure: HIP/GABLE	Residential Units 1
	Commercial Units 0

Sub-Areas	Extra Features
Base Area (1st) 1,075	No Data Found

Open Porch	56
Utility Room	144
Total Base Area	1,075
Total Sub Area	1,275

THD APP FEE 4/10/25

Application # CE - 23 - 0156

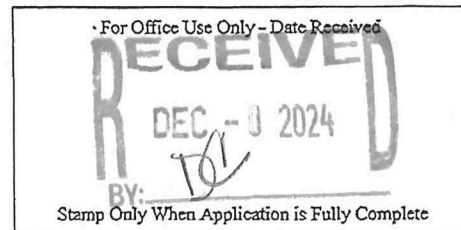


LIEN REDUCTION APPLICATION

Cocoa Police Department
Code Enforcement Division
1226 W King Street
Cocoa, Florida 32922
Phone: (321) 433-8508

This application must be completed entirely. The property must be in compliance per the City Code Section 6-707(d), if the property does not meet the guidelines of the City Code the Lien Reduction Application will not be scheduled for a hearing before the Code Enforcement Board.

This form is divided into steps which will help you prepare your request, provide the necessary information, and prepare for the Code Enforcement Board and City Council hearing.



Please TYPE or PRINT this application neatly.

1. Date: 11/15/24

2. Applicant Information: * NOTE: Applicant is the main contact, who must attend the meeting.

Company (if applicable): One Stop Construction

Name: Jesus Velazquez

Mailing Address: 4214 SW 2nd Terrace

City: Coral Gables State: FL Zip Code: 33134

Phone #: 305-442-2799 Fax #: 786-513-2928

* Mobile #: 786-299-7209 E-mail: jesus@onestopconstruction.com

3. Property Owner Information:

* Check here if same as Applicant → ☒

* If more than one owner, attach additional sheet with names and addresses.

Company (if applicable):

Name:

Mailing Address:

City: State: Zip Code:

Phone #: Fax #:

Mobile #: E-mail:

4. Information for property on which lien occurs:

Street Address and Location: 1106 Mitchell St., Cocoa, FL 32922

Parcel ID:

Tax Account Number:

Residential

Existing Use(s) on Property: _____

Proposed Use(s) on Property: Residential

(If residential – (circle one) owner occupied or rental), if rental does property owner anticipate accepting any state or federal rental subsidies?

Nature of Violation(s): Roof

Date Fine or Lien Imposed: 11/14/24 Amount of Fine: \$12,810
per day

Have the violation(s) on the subject property been corrected: ☒ Yes ☐ No (Circle one)

Date upon which the subject property was brought into compliance: 11/14/24

5. Please provide the following information:

Code enforcement case number: 23-0156

Were you the property owner at the time the lien was imposed? Yes / No (Circle one) If so, how many days did it take from the board order to the date compliance was achieved? Yes

If you were not the property at the time the violation occurred, were you aware of the lien when you purchased the property? Yes / No / NA (Circle one) If the property was not in compliance at the time you purchased the property how many days from the time of purchase did it take for you to come into compliance? N/A

Did you receive the Notice of Violation issued by the Code Enforcement Division: ☒ Yes ☐ No (Circle one)

Did you receive the Finding of Facts issued by the Code Enforcement Board: ☒ Yes ☐ No (Circle one)

The factual basis upon which the application for reduction of the lien should be granted:

Due to natural disaster it was difficult to engage with a roofing contractor

The reasons, if any, compliance was not obtained prior to the order of penalty or fine being recorded:

~~Homeowner was in Miami, we drove to meet with the board with the intent of resolving the matter but because of natural disaster we were not able to engage a roofing contractor at a reasonable price.~~

Amount you are requesting that the lien be reduced to: Request to reduce administrative fees
Please provide any other information deemed pertinent to this request, including but not limited to the circumstances that exist which would warrant the reduction or forgiveness of the penalty or fine. Include documentation of any financial investment made to physically improve the property:

Are there any other properties within the jurisdictional limits of the City of Cocoa owned by the applicant and/or owners of the subject property on which code violations have been alleged, of which the case is still active, or a Finding of Facts has been entered by the Code Enforcement Board, if so please provide the address, the nature of violation and the status of such:

No

6. Please submit the following items in order complete the application:

- a. ☒ Notarized application.
- b. ☒ Reimbursement to City for recording costs at time of application. Pursuant to Section 6-707(c), Code of the City of Cocoa, at the time of application, payment to the city in the amount necessary to reimburse the City for its costs associated with processing and recording the order imposing a penalty or fine and the requested satisfaction or release of lien. Please make checks payable to the 'City of Cocoa' and submit payment ONLY to the Community Services Department. Please note that these costs are non-refundable without regard for the final disposition of the application for satisfaction or release of lien. The application fee is \$20.00 and will need to be paid at the time the application is submitted.
- c. ☐ Letter of authorization. If the applicant is not the property owner, a notarized letter of authorization or agent affidavit is required, unless the applicant is the Attorney of the owner. Each property owner must complete a separate authorization form or other suitable documentation to allow the agent to act upon his/her behalf.
- d. ☒ Corporate documents. If the applicant/owner is representing a company, articles of incorporation which show the applicant/owner is authorized to represent the company is required. A data record printout from the Florida Department of State, Division of Corporations website may also be provided (<http://www.sunbiz.org/corpweb/inquiry/search.html>).
- e. ☐ Additional information (optional). Submit any information that may be helpful in understanding the request. This may include photos, sketches, elevations, or letters from adjoining property owners.

7. Application Filing Procedure. This application, together with all required exhibits and attachments, shall be completed and filed with the Code Enforcement Division by the third Friday of each month at 5:00 pm in order to be scheduled for public hearing for the following month.

8. Procedure per City Code. Section 6-707 states the City Lien Reduction rules and procedures for applying for a reduction. It is the applicant's responsibility to read and understand the rules and procedures that are located on page 6 of the Lien Reduction Application
9. Board Action. An Inspection of the property must be performed to be scheduled at the Code Board. Following a presentation by staff and testimony offered by the applicant, the Code Enforcement Board will formulate a recommendation to City Council.
10. City Council Action. An Inspection of the property must be performed to be scheduled before council. Following the Code Enforcement Board making a recommendation to the City Council, staff will schedule the item for the next available City Council regular meeting.
11. Inspections. I agree to allow Code Enforcement to inspect my property and give consent to walk the property before proceeding with this reduction ☒ YES ☐ NO

Signature below will also show that consent to inspect was given by the property owner or representative.

12. Signatures and Notarization.

STATE OF Florida COUNTY OF Brevard. I, Jesus Velazquez
being first duly sworn, depose and say that

- ☒ I am the applicant, or if corporation, I am the officer of the corporation authorized to act on this request.
- ☐ I am the legal representative of the applicant of this application and a notarized Letter of Authorization form or agent affidavit accompanies this application giving written, unless the applicant is the Attorney representing the owner.

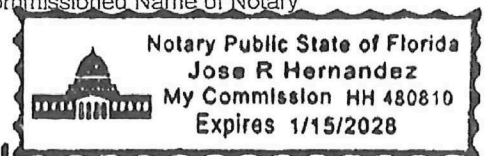
I hereby certify that I have read, completed and understand this Application and understand that if my application and all associated attachments are not complete and accurate in all respects, the application will not be scheduled for a public hearing. I further understand that this application must be complete and accurate prior to the advertising of a public hearing.

Jesus Velazquez
(APPLICANT SIGNATURE)
Public)

Personally Known ☐ OR Produced Identification ☒

Type of I.D. Produced Driver's License

Jose R Hernandez
(Print, Type, or Stamp Commissioned Name of Notary



[Signature]
(NOTARY PUBLIC SIGNATURE)

STATE OF FLORIDA, COUNTY OF BREVARD

Sworn and subscribed to before me this 15th day of November, 20 24

Public Hearing Process Information.

It is the responsibility of the Applicant to read the Lien Reduction Application to its entirety. Please keep this sheet from your application for your records. At any time through this process you have any questions or concerns, please contact the Code Enforcement Division at 321-433-8508.

1. **Public hearing date and location.** All regularly scheduled hearings are held on the third Thursday of each month at 6:00pm in the Cocoa City Hall Council Chambers located at 65 Stone Street, Cocoa, Florida unless otherwise notified.
2. **Presence required at the public hearings.** The applicant or his/her representative must be present to answer any questions concerning the request. If there are extenuating circumstances why the applicant or his/her representative cannot attend, he or she must notify the City in writing prior to the public hearing.
3. **Preparing for public hearing.** It is the applicant's responsibility to research and know all laws that may be applicable and may affect the outcome of any decision on the applicant's request.
4. **Format of public hearing.** The public hearing before the Code Enforcement Board is quasi-judicial in nature. *State and local law strictly prohibits applicants and/or interested parties from participating in ex-parte communications with Board members in person, by phone, e-mail, or in writing before the application is considered at a public hearing.* Applicants are encouraged to review and copy the quasi-judicial rules and procedures used by the Code Enforcement Board before the public hearing date. A copy may be obtained from the City Clerk's Office.
5. **Exhibits at public hearing.** If photographs, documents, maps or other materials are provided to the Board as evidence at the public hearing, the applicant must provide a copy to the Recording Secretary, City Staff, and the Code Enforcement Board for examination. One copy of any exhibits and/or evidence shall be provided, by law those instruments automatically become part of the public records and cannot be returned to the applicant.
6. **Witnesses at public hearing.** For the purposes of making a decision on the application, the Board shall only consider testimony of qualified witnesses. A witness is determined by the Board and is generally based on:
 - a. The witness has personal knowledge of the fact in which the witness will testify; and/or
 - b. In the case of testimony consisting of opinions or inferences, the testimony is qualified as the following:
 1. Layman witness: Testimony of a witness other than an expert witness is qualified only if:
 - The witness can readily, and with equal accuracy and adequacy, communicate what he or she perceived to the Board without testifying in the form of opinions or inferences.
 - The opinions and inferences do not require any special knowledge, skill experience or training.
 2. Expert witness. Testimony of an expert witness is qualified only if:
 - The subject matter is proper for expert testimony because scientific, technical, or other specialized skill will help the Board understand the evidence being presented, or helps establish a fact in issue.
 - The witness is adequately qualified to express an opinion on the matter.

Sec. 6-707. - Satisfaction or release of code enforcement lien. (NOTE: this is not the code section in its entirety)

- (b) *Application.* The application shall be executed under oath and sworn to in the presence of a notary public.
- (c) *Reimbursement to city for recording costs at time of application.* The violator shall submit, at the time of application, payment to the city in the amount necessary to reimburse the city for its costs associated with recording the order imposing a penalty or fine and the requested satisfaction or release of lien. These costs are non-refundable, without regard for the final disposition of the application for satisfaction or release of lien.
- (d) *Processing of application by Code Enforcement Manager or Chief of Police.* Upon receipt of the application for satisfaction or release of lien and payment provided above, the community development director shall confirm through the code enforcement department that the violation which resulted in the order imposing penalty or fine has been brought into compliance. If the violation has been brought into compliance and there is no current code violation upon the property in question, the community development director shall place the application upon the agenda of the next meeting of the code enforcement board.
- (e) *Code enforcement board hearing.* At the hearing before the code enforcement board, the board shall review and consider the application for satisfaction or release of lien, provide the violator with an opportunity to address the board regarding the application for satisfaction or release of lien, and to take the testimony of other interested parties, including but not limited to city staff.

Review and recommendation. Upon review of the application and any testimony presented, the code enforcement board shall recommend to the city council approval, approval with conditions, or denial of the application for satisfaction or release of lien.

The code enforcement board, in determining its recommendation, shall consider the following factors:

- (1) The gravity of the violation;
 - (2) The time in which it took the violator to come into compliance;
 - (3) The accrued amount of the code enforcement fine or lien;
 - (4) Any previous or subsequent code violations;
 - (5) Any financial hardship; and
 - (6) Any other mitigating circumstance which may warrant the reduction or satisfaction of the penalty or fine.
- (f) *Presentation to city council.* After a recommendation has been rendered by the code enforcement board, the community development director shall place the application for satisfaction or release of lien upon the agenda of the next regularly scheduled city council meeting. The city council may take action solely based upon the sworn application and recommendation of the code enforcement board; or it may, in its discretion, provide the violator with an opportunity to address the council in regard to the application for satisfaction or release of lien.
- City Council action. The city council may approve, approve with conditions, or deny the application to satisfy or release of lien. If the city council approves the application to satisfy or release the lien and the approval is conditioned upon the violator paying a reduced penalty, fine, or any other condition, the satisfaction or release of lien shall not be prepared or recorded until the condition(s) placed by the council have been satisfied.
- (g) *Compliance with city council conditions.* The violator shall have thirty (30) days in which to comply with the conditions imposed by the city council. Failure of the violator to comply will result in the automatic denial of the application for satisfaction or release of lien.
 - (h) *Effect of denial on application for subsequent lien reduction or forgiveness.* If the application is denied or if the application is automatically denied due to the failure of the violator to comply with the conditions imposed by the city council, the violator shall thereafter be barred from applying for a subsequent reduction or forgiveness of the lien for a period of one (1) year from the date of denial. During the one-year period, the lien may only be satisfied and released upon full payment of the fine or penalty imposed in accordance with this chapter.

(Ord. No. 16-06, § 2, 5-9-06)

**Electronic Articles of Incorporation
For**

P03000000767
FILED
January 03, 2003
Sec. Of State

ONE STOP CONSTRUCTION,INC

The undersigned incorporator, for the purpose of forming a Florida profit corporation, hereby adopts the following Articles of Incorporation:

Article I

The name of the corporation is:

ONE STOP CONSTRUCTION,INC

Article II

The principal place of business address:

4214 SW 2ND TERR
MIAMI, FL. US 33134

The mailing address of the corporation is:

4214 SW 2ND TERR
MIAMI, FL. US 33134

Article III

The purpose for which this corporation is organized is:

ANY AND ALL LAWFUL BUSINESS.

Article IV

The number of shares the corporation is authorized to issue is:

1

Article V

The name and Florida street address of the registered agent is:

JESUS D VELAZQUEZ
4214 SW 2ND TERR
MIAMI, FL. 33134

I certify that I am familiar with and accept the responsibilities of registered agent.

P03000000767
FILED
January 03, 2003
Sec. Of State

Registered Agent Signature: JESUS VELAZQUEZ

Article VI

The name and address of the incorporator is:

JESUS VELAZQUEZ
4214 SW 2ND TERR
MIAMI, FL 33134

Incorporator Signature: JESUS VELAZQUEZ

Article VII

The initial officer(s) and/or director(s) of the corporation is/are:

Title: D
JESUS D VELAZQUEZ
4214 SW 2ND TERR
MIAMI, FL. 33134 US

**CODE ENFORCEMENT BOARD
CITY OF COCOA, FLORIDA
CASE NO. 23-156**

THE CITY OF COCOA

A Florida Municipal Corporation,
Complainant,

vs.

ONE STOP CONSTRUCTION INC

Owners of the Property located at:

1106 MITCHELL ST

COCOA FL 32922

Parcel ID: 24-36-29-78-*-74

Respondent,

_____ /

FINDINGS OF FACT, CONCLUSIONS OF LAW AND ORDER

THIS CAUSE, having come for consideration, after being duly noticed, before the Code Enforcement Board of the City of Cocoa, Florida, on **January 18, 2024** to determine whether any violations of the City of Cocoa Code of Ordinances exist or existed on the property. The Board, having heard the arguments of the parties and the evidence presented and having reviewed the record and being otherwise fully advised, makes the following Findings of Fact, Conclusions of Law and Order as set forth herein.

Findings of Fact and Conclusions of Law

Based upon the evidence and testimony presented at this hearing, the Code Enforcement Board finds: That a code enforcement officer of the City of Cocoa determined the Subject Property was in violation of:

- ☒ XXXII. Storing Junk or Autos, Ch 6 Sec. 6-902 (b)(1)(2) **25.00**
- ☒ XXXIII. Storing Outdoors, Ch 6 Sec. 6-900 (b)(11) **25.00**
- ☒ XXIX. Roofs & Drainage, Ch 6 Sec. 6-1003 (g) **50.00**

Of the City Code, and issued a Notice of Violation to Respondent giving a reasonable time to correct the violation(s).

1. That Respondent failed to correct such violation(s) within the reasonable time period provided in the Notice of Violation. Pursuant to section 162.06, Florida Statutes, this hearing was scheduled. Proper written notice of this hearing was given to Respondent.

2. That based on the testimony and evidence presented, including Staff's presentation, the Board finds Respondent is in violation of the following violations of the City Code:

- ☒ XXIX. Roofs & Drainage, Ch 6 Sec. 6-1003 (g) **50.00**

Order

BASED UPON THE FOREGOING FACTS AND CONCLUSIONS OF LAW, IT IS HEREBY ORDERED:

1. Respondent shall be given until March 3, 2024 to correct all violations set forth herein on the property.

2. If Respondent fails to correct all cited violations within the time period set forth herein, the Code Enforcement Officer shall schedule this Case to appear for a compliance hearing before the Code Enforcement Board at a date to be determined, where the sole issue to be considered is whether compliance has been achieved on all violations. Respondent will be given an opportunity to appear and present evidence regarding compliance.

3. Upon a finding by the Code Enforcement Board that the property was not brought into compliance by the date set forth in this Order, a fine in the amount of:

☒ XXIX. Roofs & Drainage, Ch 6 Sec. 6-1003 (g) **50.00**

Per day may be imposed for each and every day any of the violations continue past the above-stated date ordered for compliance by the Board and the daily fines shall continue to run until the violation is corrected and full compliance is confirmed by the Code Enforcement Officer. Respondent shall be responsible to immediately notify the Code Enforcement Officer if the property has been brought into compliance.

4. If the Board finds Respondent failed to comply with all violations by the date set forth herein, an Order Imposing Fine shall be entered and a certified copy of said Order may be recorded in the public records of Brevard County, Florida, which shall serve as a lien against the property.

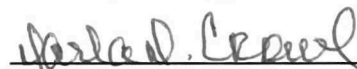
Once the violations have been corrected, any of the same violations by Respondent within five years may constitute a repeat violation where the Board may impose a fine of up to \$500.00 per day for each day the violation exists beginning the day the repeat violation is first observed by the Code Enforcement Officer.

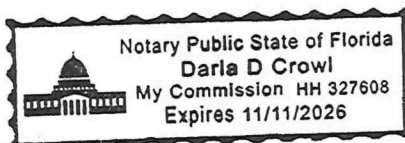
DONE AND ORDERED THIS **18** DAY OF **January 2024**.

CODE ENFORCEMENT BOARD OF THE
CITY OF COCOA, FLORIDA


Chairman, Code Enforcement Board

I CERTIFY THAT A COPY OF THIS ORDER was furnished to Respondent(s) at ONE STOP CONSTRUCTION INC mailing address is 4214 SW 2ND TER CORAL GABLES FL 33134 this **18** day of **January, 2024** via ___hand delivery/___certified mail/___U.S. mail/___posting (mark all that apply).


Secretary, Code Enforcement Board



CODE ENFORCEMENT BOARD
CITY OF COCOA, FLORIDA
CASE NO. 23-156
3/21/2024

THE CITY OF COCOA
A Florida Municipal Corporation

Complainant,

vs.

ONE STOP CONSTRUCTION INC
Owners of the Property located at:
1106 MITCHELL ST
Cocoa FL 32922

Parcel ID: 24-36-29-78-*74

Respondent,

ORDER IMPOSING ADMINISTRATIVE FINE/LIEN

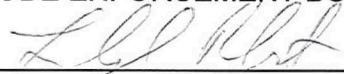
THIS CAUSE, having come for consideration, after being duly noticed, before the Code Enforcement Board of the City of Cocoa, Florida, on 3/21/2024 to determine whether any violations of the City of Cocoa Code of Ordinances existed on the property. The Board, having heard the arguments of the parties and the evidence presented and having reviewed the record and being otherwise fully advised, issued the Findings of Fact, Conclusions of Law and Order. The Order required the Respondent to come into compliance by 3/3/2024

At a duly noticed Compliance Hearing of Code Enforcement Board the Respondent was found in non-compliance of the Board Order. It is hereby Ordered that the City of Cocoa shall impose a fine in the amount of **fifty dollars (\$50.00) Roofs & Drainage, Ch. 6 Sec. 6-1003(g) per day** until the violation is corrected and full compliance is confirmed by the Code Enforcement Officer.

This Order shall be recorded in the public records for Brevard County, Florida, which shall serve as a lien against and upon any real or personal property owned by the Respondent pursuant to Section 162.08 and 162.09, Florida Statutes.

DONE AND ORDERED at Cocoa, Florida, this 21, day of March, 2024

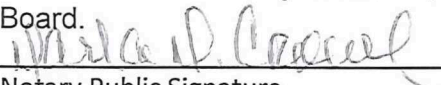
CODE ENFORCEMENT BOARD OF THE CITY OF COCOA, FLORIDA



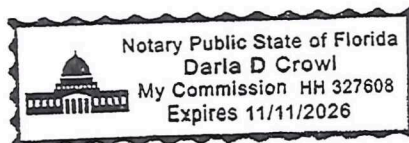
Lloyd Roberts, Chairman

CERTIFICATION:
State of Florida, County of Brevard

I hereby certify that this is an Original Copy of the Order of the Code Enforcement Board that was acknowledged before me this 21 day of March, 2024, by Lloyd Roberts, Chairman of the City of Cocoa Code Enforcement Board.



Notary Public Signature



CITY COUNCIL AGENDA ITEM

Memo Date: May 16, 2025
Agenda Date: May 27, 2025
File ID: 2025-477
Prepared By: Thomas Wilkinson, Code Enforcement Manager
Through: Charlene Neuterman, Community Services Director
Requested Action: The approval of the applicants' request for a reduction of the current Code Enforcement Lien of \$13,820.00 for the property located at 128 Aurora St., to the amount of \$4,685.00. Staff are in support of a lien reduction to the amount of \$4,685.00, to cover the city's costs.

BACKGROUND:

LIEN REDUCTION REQUEST FOR
128 Aurora St
CASE # CE22-0583

The Code Enforcement Board held a public hearing on **July 20, 2023**, at which time the Board found the owner, **Stoa Acquisitions LLC.**, in violation of the following:

- XXII, Permit Required App (A) Article XV sec 2(a)
- The property owner was required to obtain permits for the unpermitted work done to the home.

The Code Enforcement Board provided the owners sufficient time of **August 19, 2023**, to correct said violation. Therefore, consistent with the Code Enforcement Board's Order, a Non-Compliance Hearing was held on **September 21, 2023**.

The lien ran at **\$25.00** per day from **August 19, 2023**, until compliance was achieved on **February 21, 2025**. Code records show the case was closed, leaving a fine of **\$13,820.00**. The new property owner (**Faraway SG LLC**) is requesting that the lien be reduced to the amount of **\$4,685.00**.

Staff utilized the following factors in making its recommendation to reduce the lien:

- Whether the current owner owned the property at the time the violation(s) occurred; **No**
- Applicant resides at the property: **No**
- The number of violations related to the subject lien; **One**
- Number of Inspections performed: **25**
- Property Taxes: **Taxes are paid through 2024**
- Other Liens: **Records show no outstanding liens on the property. No water**

liens.

Property Inspection: **The property was inspected this morning, May 15, 2025, and was in-compliance before the Code Board Hearing. An inspection will also occur prior to the Council Meeting.**

- The cost of staff to prosecute this case is **\$2,612.70**

The current market value of the subject property; the current market value is **\$381,390.00**, according to the Brevard County Property Appraiser as a **Single-Family Residence**.

The Code Enforcement Board's recommendation at the May 15, 2025, Code Board hearing is not to reduce the lien amount of \$13,820.00.

Staff's recommendation is that the fine / lien be reduced per the applicants' request to the amount of **\$4,685.00**, which will cover the cost of staff prosecuting this case. This reduction is based on the gravity of the violations, the length of time it took the property to come into compliance, and the total amount of the City's cost.

PRIORITY AREA CONNECTION:

Public Safety/Community Standards
Organizational Effectiveness

BUDGETARY IMPACT:

Budgeted? Yes/No

If not budgeted, is amendment / transfer attached?

Source/Use of Funds

<u>Account Number</u>	<u>Amount</u>
-----------------------	---------------

If a P.O. Change Order is involved, please complete the following:

Change Order Amount: \$

Original Purchase Order Amount: \$

For this Agenda Item note Prior Change Order Information:

Total Number of change orders to date:

Total amount in change orders to date: \$

PREVIOUS ACTION:

The Code Enforcement Board held a public hearing on July 20, 2023, at which time the Board found the property owner, Stoa Acquisitions LLC, in violation of the City Code.

Violation Details:

Type: 1st Offense Violation(s)

Penalty Imposed: \$25.00 per day

Duration: From August 19, 2023, to February 21, 2025

Total Fine Amount: \$13,820.00

Lien Reduction Request: **Faraway SG LLC (New property owner)** is requesting a reduction of the lien to the amount of \$4,685.00.

RECOMMENDED MOTION:

The approval of the applicants' request for a reduction of the current Code Enforcement Lien of \$13,820.00 for the property located at 128 Aurora St., to the amount of \$4,685.00. Staff are in support of a lien reduction to the amount of \$4,685.00, to cover the city's costs.

CITY OF COCOA
CODE ENFORCEMENT
STAFF REPORT
5/15/2025

LIEN REDUCTION REQUEST FOR
128 Aurora St

CASE # CE22-0583

The Code Enforcement Board held a public hearing on **July 20, 2023**, at which time the Board found the owner, **Stoa Acquisitions LLC** in violation of the following:

- XXII, Permit Required App (A) Article XV sec 2(a)

The Code Enforcement Board provided the owners sufficient time of **August 19, 2023**, to correct said violation. Therefore, consistent with the Code Enforcement Board's Order a Non-Compliance Hearing was held on **September 21, 2023**.

The lien ran at **\$25.00** per day from **August 19, 2023** until compliance was achieved on **February 21, 2025**. Code records show the case was closed leaving a fine of **\$13,820.00**. The New property owner (**Faraway SG LLC**) is requesting that the lien be reduced to the amount of **\$4,685.00**.

Staff utilized the following factors in making its recommendation to reduce the lien:

- Whether the current owner owned the property at the time the violation(s) occurred; **No**
- Applicant resides at the property: **No**
- The number of violations related to the subject lien; **One**
- Number of Inspections performed: **25**
- Property Taxes: **Taxes are paid through 2024**
- Other Liens: **Records show no outstanding liens on the property. No water liens**
- Property Inspection: **The property was inspected this morning, May 15, 2025, and was in-compliance before the Code Board Hearing. An inspection will also occur prior to the Council Meeting.**
- The cost of staff to prosecute this case is **\$2,612.70**

The current market value of the subject property; the current market value is **\$381,390** according to the Brevard County Property Appraiser as a **Single-Family Residence**.

Staff's recommendation is that the fine / lien be reduced per the applicants' request to the amount of **\$4,685.00**, which will cover the cost of staff to prosecute this case. This reduction is based on the gravity of the violations, the length of time it took the property to come into compliance, and the total amount of the City's Cost.

**Cocoa Police Department
Code Enforcement Division
Affidavit for Cost Reimbursement of Code Enforcement Case**

Case#: CE22-0583

Date: 05/15/25

Stoa Acquisitions LLC

Site Address: 128 Aurora St.

Cocoa Code Enforcement has incurred actual costs, as defined in F.S.S 162.09 for cost by the City in Prosecuting this case.

A. Salaries of Code Enforcement staff. (Hourly rate: Officer-\$35.06, Coordinator-\$36.06, Manager-\$48.54, Chief-\$69.71 & City Attorney-\$150.00)

	Officer/Manager	# of Inspections	Hours	Rate	Total
1	Code Officer	25	0.75	\$35.06	\$657.38
2	Code Manager	6	0.75	\$48.54	\$218.43
3					
				Total A1	\$875.81

	Officer/Manager	Office Duties	Hours	Rate	Total
1	Code Officer	18	0.5	35.06	\$631.08
2	Code Manager	6	0.5	48.54	\$291.24
3					
				Total A2	\$922.32

	Supporting Staff	Duty	Hours	Rate	Total
1	Code Coordinator	Case Duties	4	\$36.06	\$144.24
2	City Attorney	Case Duties	3	\$150.00	\$450.00
3	Chief	Board Hearings	0	\$69.71	\$0.00
4					
5					
				Total A3	\$594.24

B. Expenditures - Actual expenses incurred during the process of the Code Case.

	Item	Quantity	Amount	Total
1	Documents per Sheet	350	\$0.35	\$122.50
2	Large Envelope	52	\$0.64	\$33.28
3	Standard Envelope	12	\$0.10	\$1.20
4	Color Photo Prints	25	\$0.55	\$13.75
5	Standard Mail	6	\$0.55	\$3.30
6	Certified Mail	5	\$5.26	\$26.30
7	Recording Fees	2	\$10.00	\$20.00
8				
9				
			Total B	\$220.33

C. Total Amount of Cost (A1+A2+A3+B):

\$2,612.70



Brevard County Property Appraiser

Titusville • Viera • Melbourne • Palm Bay

Phone: (321) 264-6700

<https://www.bcpao.us>

PROPERTY DETAILS

Account	2424546
Owners	STOA ACQUISITIONS LLC
Mailing Address	2394 E CAMELBACK RD, STE 200 PHOENIX AZ 85016
Site Address	128 AURORA ST COCOA FL 32922
Parcel ID	24-36-32-29-5-6
Property Use	0110 - SINGLE FAMILY RESIDENCE
Exemptions	NONE
Taxing District	23D0 - COCOA
Total Acres	0.51
Subdivision	PINE GROVE PARK
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0009/0024
Land Description	PINE GROVE PARK N 112.92 FT OF S 207.45 FT OF W 200 FT OF BLK 5 AS DES IN ORB 788 PG 519



VALUE SUMMARY

Category	2022	2021	2020
Market Value	\$201,030	\$106,690	\$102,530
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$117,350	\$106,690	\$102,530
Assessed Value School	\$201,030	\$106,690	\$102,530
Homestead Exemption	\$0	\$0	\$0
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$0	\$0	\$0
Taxable Value Non-School	\$117,350	\$106,690	\$102,530
Taxable Value School	\$201,030	\$106,690	\$102,530

SALES/TRANSFERS

Date	Price	Type	Instrument
12/06/2022	\$397,000	WD	9673/1718
06/24/2022	\$375,000	WD	9554/0107
06/23/2022	\$193,000	WD	9550/1005
06/12/2014	\$39,000	WD	7155/1342
02/17/2014	--	CT	7069/0794
08/01/1972	\$17,000	--	1273/1029

BUILDINGS

PROPERTY DATA CARD #1

Building Use: 0110 - SINGLE FAMILY RESIDENCE

Materials	Details
Exterior Wall: BRICK	Year Built 1954
Frame: WOOD FRAME	Story Height 8
Roof: ASPH/ASB SHNGL	Floors 1
Roof Structure: HIP/GABLE	Residential Units 1
	Commercial Units 0
Sub-Areas	Extra Features
Base Area (1st) 2,388	Screen Enclosure 300
Carport 312	Fireplace 1
Open Porch 121	

Utility Room	96
Total Base Area	2,388
Total Sub Area	2,917



LIEN REDUCTION APPLICATION

**Cocoa Police Department
Code Enforcement Division
1226 W King Street
Cocoa, Florida 32922
Phone; (321) 433-8508**

This application must be completed entirely. The property must be in compliance per the City Code Section 6-707(d), if the property does not meet the guidelines of the City Code the Lien Reduction Application will not be scheduled for a hearing before the Code Enforcement Board.

This form is divided into steps which will help you prepare your request, provide the necessary information, and prepare for the Code Enforcement Board and City Council hearing.

For Office Use Only - Date Received

Stamp Only When Application is Fully Complete

Please TYPE or PRINT this application neatly.

1. Date: March 25, 2025

2. Applicant Information: ** NOTE: Applicant is the main contact, who must attend the meeting.*

Company (if applicable): _____

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Phone #: _____ Fax #: _____

Mobile #: _____ E-mail: _____

3. Property Owner Information: ** Check here if same as Applicant → ☐*

** If more than one owner, attach additional sheet with names and addresses.*

Company (if applicable): FARAWAY SG LLC

Name: HANNAH HICKS

Mailing Address: 280 PARK AVENUE 9TH FLOOR

City: NEW YORK State: NY Zip Code: 10017

Phone #: +1 509-270-3068 Fax #: _____

Mobile #: _____ E-mail: hannah.hicks@darwinhomes.com

4. Information for property on which lien occurs:

Street Address and Location: 128 AURORA ST COCOA FL 32922

Parcel ID:

- - 2 4 - 3 6 - 3 2 2 9 5 6 -

Tax Account Number:

2 4 2 4 5 4 6

Existing Use(s) on Property: SINGLE FAMILY RESIDENCE

Proposed Use(s) on Property: SINGLE FAMILY RESIDENCE

(If residential – (circle one) **owner occupied** or **rental**), if rental does property owner anticipate accepting any state or federal rental subsidies?

Nature of Violation(s): Building Repair Permit Issues

Date Fine or Lien Imposed: AUGUST 19, 2024
per day

Amount of Fine: \$13,810

Have the violation(s) on the subject property been corrected: ☒ Yes / No (Circle one)

Date upon which the subject property was brought into compliance: February 24, 2025

5. Please provide the following information:

Code enforcement case number: 22-00000583

Were you the property owner at the time the lien was imposed? Yes / No (Circle one) If so, how many days did it take from the board order to the date compliance was achieved? 187

If you were not the property at the time the violation occurred, were you aware of the lien when you purchased the property? Yes / ☒ No / NA (Circle one) If the property was not in compliance at the time you purchased the property how many days from the time of purchase did it take for you to come into compliance? 187

Did you receive the Notice of Violation issued by the Code Enforcement Division: ☒ Yes / No (Circle one)

Did you receive the Finding of Facts issued by the Code Enforcement Board: ☒ Yes / No (Circle one)

The factual basis upon which the application for reduction of the lien should be granted:

This home was in turn under the prior property management before Darwin Onboard. The proper permits were not pulled by the contactor. The prior property management brought in Britech Group (Jamie Brito) but he was unable to get too far before the home changed hands.

The reasons, if any, compliance was not obtained prior to the order of penalty or fine being recorded:

N/A

Amount you are requesting that the lien be reduced to: \$4,685

Please provide any other information deemed pertinent to this request, including but not limited to the circumstances that exist which would warrant the reduction or forgiveness of the penalty or fine. Include documentation of any financial investment made to physically improve the property:

Darwin first made contact with the locality on August 19, 2024 - which would be 187 days from then to confirmation the violation was closed on 2/24/25.

Are there any other properties within the jurisdictional limits of the City of Cocoa owned by the applicant and/or owners of the subject property on which code violations have been alleged, of which the case is still active, or a Finding of Facts has been entered by the Code Enforcement Board, if so please provide the address, the nature of violation and the status of such:

N/A

6. Please submit the following items in order complete the application:

- a. ☒ **Notarized application.**
- b. ☒ **Reimbursement to City for recording costs at time of application.** Pursuant to Section 6-707(c), Code of the City of Cocoa, at the time of application, payment to the city in the amount necessary to reimburse the City for its costs associated with processing and recording the order imposing a penalty or fine and the requested satisfaction or release of lien. Please make checks payable to the 'City of Cocoa' and submit payment ONLY to the Community Services Department. Please note that these costs are non-refundable without regard for the final disposition of the application for satisfaction or release of lien. **The application fee is \$20.00 and will need to be paid at the time the application is submitted.**
- c. ☒ **Letter of authorization.** If the applicant is not the property owner, a notarized letter of authorization or agent affidavit is required, unless the applicant is the Attorney of the owner. Each property owner must complete a separate authorization form or other suitable documentation to allow the agent to act upon his/her behalf.
- d. ☐ **Corporate documents.** If the applicant/owner is representing a company, articles of incorporation which show the applicant/owner is authorized to represent the company is required. A data record printout from the Florida Department of State, Division of Corporations website may also be provided (<http://www.sunbiz.org/corpweb/inquiry/search.html>).
- e. ☐ **Additional information (optional).** Submit any information that may be helpful in understanding the request. This may include photos, sketches, elevations, or letters from adjoining property owners.

7. Application Filing Procedure. This application, together with all required exhibits and attachments, shall be completed and filed with the Code Enforcement Division by the third Friday of each month at 5:00 pm in order to be scheduled for public hearing for the following month.

8. **Procedure per City Code.** Section 6-707 states the City Lien Reduction rules and procedures for applying for a reduction. It is the applicant's responsibility to read and understand the rules and procedures that are located on page 6 of the Lien Reduction Application
9. **Board Action.** An Inspection of the property must be performed to be scheduled at the Code Board. Following a presentation by staff and testimony offered by the applicant, the Code Enforcement Board will formulate a recommendation to City Council.
10. **City Council Action.** An Inspection of the property must be performed to be scheduled before council. Following the Code Enforcement Board making a recommendation to the City Council, staff will schedule the item for the next available City Council regular meeting.
11. **Inspections.** I agree to allow Code Enforcement to inspect my property and give consent to walk the property before proceeding with this reduction ☒ YES ☐ NO

Signature below will also show that consent to inspect was given by the property owner or representative.

12. Signatures and Notarization.

STATE OF Virginia COUNTY OF Frederick I, Hannah Hicks
being first duly sworn, depose and say that:

- ☒ I am the applicant, or if corporation, I am the officer of the corporation authorized to act on this request.
- ☒ I am the legal representative of the applicant of this application and a notarized Letter of Authorization form or agent affidavit accompanies this application giving written, unless the applicant is the Attorney representing the owner.

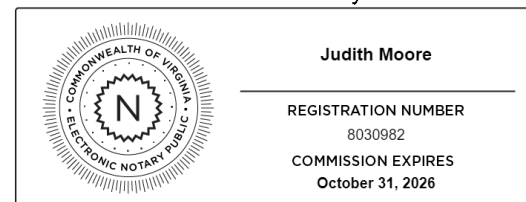
I hereby certify that I have read, completed and understand this Application and understand that if my application and all associated attachments are not complete and accurate in all respects, the application will not be scheduled for a public hearing. I further understand that this application must be complete and accurate prior to the advertising of a public hearing.


(APPLICANT SIGNATURE)
Public)

Personally Known ☐ OR Produced Identification ☒

Type of I.D. Produced WA, DC Driver License

Judith Moore
(Print, Type, or Stamp Commissioned Name of Notary)




(NOTARY PUBLIC SIGNATURE)

STATE OF FLORIDA, COUNTY OF BREVARD

Sworn and subscribed to before me this 25th day of March, 20 25

Notarized remotely online using communication technology via Proof.

Public Hearing Process Information.

It is the responsibility of the Applicant to read the Lien Reduction Application to its entirety. Please keep this sheet from your application for your records. At any time through this process you have any questions or concerns, please contact the Code Enforcement Division at 321-433-8508.

1. **Public hearing date and location.** All regularly scheduled hearings are held on the third Thursday of each month at 6:00pm in the Cocoa City Hall Council Chambers located at 65 Stone Street, Cocoa, Florida unless otherwise notified.
2. **Presence required at the public hearings.** The applicant or his/her representative must be present to answer any questions concerning the request. If there are extenuating circumstances why the applicant or his/her representative cannot attend, he or she must notify the City in writing prior to the public hearing.
3. **Preparing for public hearing.** It is the applicant's responsibility to research and know all laws that may be applicable and may affect the outcome of any decision on the applicant's request.
4. **Format of public hearing.** The public hearing before the Code Enforcement Board is quasi-judicial in nature. *State and local law strictly prohibits applicants and/or interested parties from participating in ex-parte communications with Board members in person, by phone, e-mail, or in writing before the application is considered at a public hearing.* Applicants are encouraged to review and copy the quasi-judicial rules and procedures used by the Code Enforcement Board before the public hearing date. A copy may be obtained from the City Clerk's Office.
5. **Exhibits at public hearing.** If photographs, documents, maps or other materials are provided to the Board as evidence at the public hearing, the applicant must provide a copy to the Recording Secretary, City Staff, and the Code Enforcement Board for examination. One copy of any exhibits and/or evidence shall be provided, by law those instruments automatically become part of the public records and cannot be returned to the applicant.
6. **Witnesses at public hearing.** For the purposes of making a decision on the application, the Board shall only consider testimony of qualified witnesses. A witness is determined by the Board and is generally based on:
 - a. The witness has personal knowledge of the fact in which the witness will testify; and/or
 - b. In the case of testimony consisting of opinions or inferences, the testimony is qualified as the following:
 1. Layman witness: Testimony of a witness other than an expert witness is qualified only if:
 - The witness can readily, and with equal accuracy and adequacy, communicate what he or she perceived to the Board without testifying in the form of opinions or inferences.
 - The opinions and inferences do not require any special knowledge, skill experience or training.
 2. Expert witness. Testimony of an expert witness is qualified only if:
 - The subject matter is proper for expert testimony because scientific, technical, or other specialized skill will help the Board understand the evidence being presented, or helps establish a fact in issue.
 - The witness is adequately qualified to express an opinion on the matter.

Sec. 6-707. - Satisfaction or release of code enforcement lien. (NOTE: this is not the code section in its entirety)

- (b) **Application.** The application shall be executed under oath and sworn to in the presence of a notary public.
- (c) **Reimbursement to city for recording costs at time of application.** The violator shall submit, at the time of application, payment to the city in the amount necessary to reimburse the city for its costs associated with recording the order imposing a penalty or fine and the requested satisfaction or release of lien. These costs are non-refundable, without regard for the final disposition of the application for satisfaction or release of lien.
- (d) **Processing of application by Code Enforcement Manager or Chief of Police.** Upon receipt of the application for satisfaction or release of lien and payment provided above, the community development director shall confirm through the code enforcement department that the violation which resulted in the order imposing penalty or fine has been brought into compliance. If the violation has been brought into compliance and there is no current code violation upon the property in question, the community development director shall place the application upon the agenda of the next meeting of the code enforcement board.
- (e) **Code enforcement board hearing.** At the hearing before the code enforcement board, the board shall review and consider the application for satisfaction or release of lien, provide the violator with an opportunity to address the board regarding the application for satisfaction or release of lien, and to take the testimony of other interested parties, including but not limited to city staff.

Review and recommendation. Upon review of the application and any testimony presented, the code enforcement board shall recommend to the city council approval, approval with conditions, or denial of the application for satisfaction or release of lien.

The code enforcement board, in determining its recommendation, shall consider the following factors:

- (1) The gravity of the violation;
 - (2) The time in which it took the violator to come into compliance;
 - (3) The accrued amount of the code enforcement fine or lien;
 - (4) Any previous or subsequent code violations;
 - (5) Any financial hardship; and
 - (6) Any other mitigating circumstance which may warrant the reduction or satisfaction of the penalty or fine.
- (f) **Presentation to city council.** After a recommendation has been rendered by the code enforcement board, the community development director shall place the application for satisfaction or release of lien upon the agenda of the next regularly scheduled city council meeting. The city council may take action solely based upon the sworn application and recommendation of the code enforcement board; or it may, in its discretion, provide the violator with an opportunity to address the council in regard to the application for satisfaction or release of lien.
- City Council action. The city council may approve, approve with conditions, or deny the application to satisfy or release of lien. If the city council approves the application to satisfy or release the lien and the approval is conditioned upon the violator paying a reduced penalty, fine, or any other condition, the satisfaction or release of lien shall not be prepared or recorded until the condition(s) placed by the council have been satisfied.
- (g) **Compliance with city council conditions.** The violator shall have thirty (30) days in which to comply with the conditions imposed by the city council. Failure of the violator to comply will result in the automatic denial of the application for satisfaction or release of lien.
 - (h) **Effect of denial on application for subsequent lien reduction or forgiveness.** If the application is denied or if the application is automatically denied due to the failure of the violator to comply with the conditions imposed by the city council, the violator shall thereafter be barred from applying for a subsequent reduction or forgiveness of the lien for a period of one (1) year from the date of denial. During the one-year period, the lien may only be satisfied and released upon full payment of the fine or penalty imposed in accordance with this chapter.

(Ord. No. 16-06, § 2, 5-9-06)

CODE ENFORCEMENT BOARD
CITY OF COCOA, FLORIDA
CASE NO. 22-583
9/21/2023

THE CITY OF COCOA
A Florida Municipal Corporation

Complainant,

vs.

STOA ACQUISITIONS LLC
Owners of the Property located at:
128 AURORA ST
Cocoa FL 32922

Parcel ID: 24-36-32-29-5-6

Respondent,
_____ /

ORDER IMPOSING ADMINISTRATIVE FINE/LIEN

THIS CAUSE, having come for consideration, after being duly noticed, before the Code Enforcement Board of the City of Cocoa, Florida, on 9/21/2023 to determine whether any violations of the City of Cocoa Code of Ordinances existed on the property. The Board, having heard the arguments of the parties and the evidence presented and having reviewed the record and being otherwise fully advised, issued the Findings of Fact, Conclusions of Law and Order. The Order required the Respondent to come into compliance by 8/19/2023

At a duly noticed Compliance Hearing of Code Enforcement Board the Respondent was found in non-compliance of the Board Order. It is hereby Ordered that the City of Cocoa shall impose a fine in the amount of **\$25.00** per day until the violation is corrected and full compliance is confirmed by the Code Enforcement Officer.

This Order shall be recorded in the public records for Brevard County, Florida, which shall serve as a lien against and upon any real or personal property owned by the Respondent pursuant to Section 162.08 and 162.09, Florida Statutes.

DONE AND ORDERED at Cocoa, Florida, this 21, day of September, 2023

CODE ENFORCEMENT BOARD OF THE CITY OF COCOA, FLORIDA



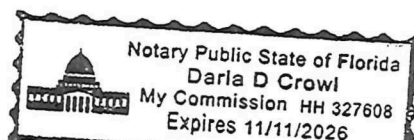
Lloyd Roberts, Chairman

CERTIFICATION:
State of Florida, County of Brevard

I hereby certify that this is an Original Copy of the Order of the Code Enforcement Board that was acknowledged before me this 21 day of September, 2023, by Lloyd Roberts, Chairman of the City of Cocoa Code Enforcement Board.



Notary Public Signature



**CODE ENFORCEMENT BOARD
CITY OF COCOA, FLORIDA
CASE NO. 22-583**

THE CITY OF COCOA

A Florida Municipal Corporation,
Complainant,

vs.

STOA ACQUISITIONS LLC

Owners of the Property located at:
128 AURORA ST
Cocoa, FL 32922
Parcel ID: 24-36-32-29-5-6

Respondent,
_____ /

FINDINGS OF FACT, CONCLUSIONS OF LAW AND ORDER

THIS CAUSE, having come for consideration, after being duly noticed, before the Code Enforcement Board of the City of Cocoa, Florida, on July 20, 2023 to determine whether any violations of the City of Cocoa Code of Ordinances exist or existed on the property. The Board, having heard the arguments of the parties and the evidence presented and having reviewed the record and being otherwise fully advised, makes the following Findings of Fact, Conclusions of Law and Order as set forth herein.

Findings of Fact and Conclusions of Law

Based upon the evidence and testimony presented at this hearing, the Code Enforcement Board finds: That a code enforcement officer of the City of Cocoa determined the Subject Property was in violation of:

☒ XXII. *Permit Required App A Art. XV Sec 2 (a)*

of the City Code, and issued a Notice of Violation to Respondent giving a reasonable time to correct the violation(s).

1. That Respondent failed to correct such violation(s) within the reasonable time period provided in the Notice of Violation. Pursuant to section 162.06, Florida Statutes, this hearing was scheduled. Proper written notice of this hearing was given to Respondent.

2. That based on the testimony and evidence presented, including Staff's presentation, the Board finds Respondent is in violation of the following violations of the City Code:

☒ XXII. *Permit Required App A Art. XV Sec 2 (a)*

Order

BASED UPON THE FOREGOING FACTS AND CONCLUSIONS OF LAW, IT IS HEREBY ORDERED:

1. Respondent shall be given until August 19, 2023 to correct all violations set forth herein on the property.

2. If Respondent fails to correct all cited violations within the time period set forth herein, the Code Enforcement Officer shall schedule this Case to appear for a compliance hearing before the Code Enforcement Board at a date to be determined, where the sole issue to be considered is whether compliance has been achieved on all violations. Respondent will be given an opportunity to appear and present evidence regarding compliance.

3. Upon a finding by the Code Enforcement Board that the property was not brought into compliance by the date set forth in this Order, a fine in the amount of **\$25.00** per day may be imposed for each and every day any of the violations continue past the above-stated date ordered for compliance by the Board and the daily fines shall continue to run until the violation is corrected and full compliance is confirmed by the Code Enforcement Officer. Respondent shall be responsible to immediately notify the Code Enforcement Officer if the property has been brought into compliance.

4. If the Board finds Respondent failed to comply with all violations by the date set forth herein, an Order Imposing Fine shall be entered and a certified copy of said Order may be recorded in the public records of Brevard County, Florida, which shall serve as a lien against the property.

Once the violations have been corrected, any of the same violations by Respondent within five years may constitute a repeat violation where the Board may impose a fine of up to \$500.00 per day for each day the violation exists beginning the day the repeat violation is first observed by the Code Enforcement Officer.

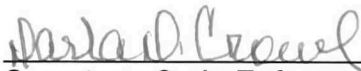
DONE AND ORDERED THIS 20 DAY OF July, 2023.

CODE ENFORCEMENT BOARD OF THE
CITY OF COCOA, FLORIDA

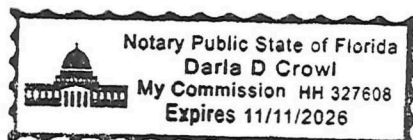


Chairman, Code Enforcement Board

I CERTIFY THAT A COPY OF THIS ORDER was furnished to Respondent(s) at STOA ACQUISITIONS LLC whose mailing address is 2394 E CAMELBACK RD STE 200 PHOENIX, AZ 85016 this 20 day of July, 2023 ____ via __ hand delivery/ __ certified mail/ ☒ U.S. mail/ __ posting (mark all that apply).



Secretary, Code Enforcement Board



CITY COUNCIL AGENDA ITEM

Memo Date: May 16, 2025
Agenda Date: May 27, 2025
File ID: 2025-478
Prepared By: Thomas Wilkinson, Code Enforcement Manager
Through: Charlene Neuterman, Community Services Director
Requested Action: The approval of the applicants' request for a reduction of the current Code Enforcement Lien of \$29,330.00 for the property located at 535 S Kentucky Ave., be reduced to the City Costs. Staff are in support of a lien reduction to the amount of \$1,893.30, to cover the city's costs.

BACKGROUND:

LIEN REDUCTION REQUEST FOR 535 S Kentucky Ave. CASE # CE23-0649

The Code Enforcement Board held a public hearing on **January 18, 2024**, at which time the Board found the owner, **535 S Kentucky Land Trust**, in violation of the following:

- City Code, Chapter 6, Sec. 6-900(b)(1) Accumulation of trash and litter
- City Code, Chapter 6, Sec. 6-900(b)(11) XXII, Storing Outdoors (Storage of miscellaneous materials)
- App. A, Article. XV, Sec. 2 (a) Permit Required (work done to the property without permits)
- City Code, Chapter 6, Sec. 6-1003 (a-p) IX. Exterior General Condition (exterior of the building needed paint or pressure washing)

The Code Enforcement Board provided the owners sufficient time of **February 17, 2024**, to correct said violation. Therefore, consistent with the Code Enforcement Board's Order, a Non-Compliance Hearing was held on **March 21, 2024**.

The lien ran at **\$25.00** per day from **February 17, 2024**, until compliance was achieved on **December 6, 2024**. Code records show the case was closed, leaving a fine of **\$29,330.00**. The property owner (**535 S Kentucky Land Trust**) is requesting that the lien be reduced to the amount of the city's **cost**.

Staff utilized the following factors in making its recommendation to reduce the lien:

- Whether the current owner owned the property at the time the violation(s) occurred; **Yes**
- Applicant resides at the property: **No**

- The number of violations related to the subject lien; **Four**
- Number of Inspections performed: **12**
- Property Taxes: **Taxes are paid through 2024**
- Other Liens: **Records show no outstanding liens on the property; no water liens.**

Property Inspection: **The property was inspected this morning, May 15, 2025, and was in-compliance before the Code Board Hearing. An inspection will also occur prior to the Council Meeting.**

The current market value of the subject property; the current market value is **\$75,840.00** according to the Brevard County Property Appraiser as a **Single-Family Residence**.

The Code Enforcement Board's recommendation is that the lien amount of \$29,330.00 not be reduced.

The staff's recommendation is that the fine / lien be reduced to **\$1,893.30**, which is the cost of staff to prosecute this case. This reduction is based on the gravity of the violations, the length of time it took the property to come into compliance, and the total amount of the City's cost.

PRIORITY AREA CONNECTION:

Public Safety/Community Standards
Organizational Effectiveness

BUDGETARY IMPACT:

Budgeted? Yes/No

If not budgeted, is amendment / transfer attached?

Source/Use of Funds

<u>Account Number</u>	<u>Amount</u>
-----------------------	---------------

If a P.O. Change Order is involved, please complete the following:

Change Order Amount: \$

Original Purchase Order Amount: \$

For this Agenda Item note Prior Change Order Information:

Total Number of change orders to date:

Total amount in change orders to date: \$

PREVIOUS ACTION:

The Code Enforcement Board held a public hearing on September 17, 2009, at which time the Board found the property owner, S Kentucky Land Trust, in violation of the above-mentioned sections of the City Code.

Violation Details:

Type: 1st Offense Violation(s)

Penalty Imposed: \$25.00 per day

Duration: From February 17, 2024, to December 6, 2024

Total Fine Amount: \$29,330.00

Lien Reduction Request: S Kentucky Land Trust (property owner) is requesting a reduction of the lien to the cost of staff \$1,893.30

RECOMMENDED MOTION:

The approval of the applicants' request for a reduction of the current Code Enforcement Lien of \$29,330.00 for the property located at 535 S Kentucky Ave., be reduced to the City Costs. Staff are in support of a lien reduction to the amount of \$1,893.30, to cover the city's costs.

CITY OF COCOA
CODE ENFORCEMENT
STAFF REPORT
5/15/2025

LIEN REDUCTION REQUEST FOR
535 S Kentucky Ave.

CASE # CE23-0649

The Code Enforcement Board held a public hearing on **January 18, 2024**, at which time the Board found the owner, **535 S Kentucky Land Trust** in violation of the following:

- City Code, Chapter 6, Sec 6-900(b)(1) Accumulation of trash and litter
- City Code, Chapter 6, Sec 6-900(b)(11) XXII, Storing Outdoors
- App. A, Article. XV, Sec. 2 (a) Permit Required
- City Code, Chapter 6, Sec 6-1003 (a-p) IX. Exterior General Condition

The Code Enforcement Board provided the owners sufficient time of **February 17, 2024**, to correct said violation. Therefore, consistent with the Code Enforcement Board's Order a Non-Compliance Hearing was held on **March 21, 2024**.

The lien ran at **\$25.00** per day from **February 17, 2024** until compliance was achieved on **December 6, 2024**. Code records show the case was closed leaving a fine of **\$ 29,330.00**. The property owner (**535 S Kentucky Land Trust**) is requesting that the lien be reduced to the amount of **City cost**.

Staff utilized the following factors in making its recommendation to reduce the lien:

- Whether the current owner owned the property at the time the violation(s) occurred; **Yes**
- Applicant resides at the property: **No**
- The number of violations related to the subject lien; **Four**
- Number of Inspections performed: **12**
- Property Taxes: **Taxes are paid through 2024**
- Other Liens: **Records show no outstanding liens on the property. No water liens**
- Property Inspection: **The property was inspected this morning, May 15, 2025, and was in-compliance before the Code Board Hearing. An inspection will also occur prior to the Council Meeting**

The current market value of the subject property; the current market value is **\$75,840.00** according to the Brevard County Property Appraiser as a **Single-Family Residence**.

The staff's recommendation is that the fine / lien be reduced to **\$1,893.30** which is the cost of staff to prosecute this case. This reduction is based on the gravity of the violations, the length of time it took the property to come into compliance, and the total amount of the City's Cost.

**Cocoa Police Department
Code Enforcement Division
Affidavit for Cost Reimbursement of Code Enforcement Case**

Case#: CE23-649

Date: 05/15/25

535 S Kentucky Land Trust

Site Address: 535 S Kentucky Ave

Cocoa Code Enforcement has incurred actual costs, as defined in F.S.S 162.09 for cost by the City in Prosecuting this case.

A. Salaries of Code Enforcement staff. (Hourly rate: Officer-\$35.06, Coordinator-\$36.06, Manager-\$48.54, Chief-\$69.71 & City Attorney-\$150.00)

	Officer/Manager	# of Inspections	Hours	Rate	Total
1	Code Officer	12	0.75	\$35.06	\$315.54
2	Code Manager	6	0.75	\$48.54	\$218.43
3					
				Total A1	\$533.97

	Officer/Manager	Office Duties	Hours	Rate	Total
1	Code Officer	10	0.5	35.06	\$350.60
2	Code Manager	4	0.5	48.54	\$194.16
3					
				Total A2	\$544.76

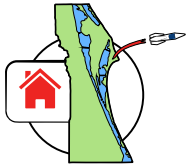
	Supporting Staff	Duty	Hours	Rate	Total
1	Code Coordinator	Case Duties	4	\$36.06	\$144.24
2	City Attorney	Case Duties	3	\$150.00	\$450.00
3	Chief	Board Hearings	0	\$69.71	\$0.00
4					
5					
				Total A3	\$594.24

B. Expenditures - Actual expenses incurred during the process of the Code Case.

	Item	Quantity	Amount	Total
1	Documents per Sheet	350	\$0.35	\$122.50
2	Large Envelope	52	\$0.64	\$33.28
3	Standard Envelope	12	\$0.10	\$1.20
4	Color Photo Prints	25	\$0.55	\$13.75
5	Standard Mail	6	\$0.55	\$3.30
6	Certified Mail	5	\$5.26	\$26.30
7	Recording Fees	2	\$10.00	\$20.00
8				
9				
			Total B	\$220.33

C. Total Amount of Cost (A1+A2+A3+B):

\$1,893.30

**REAL PROPERTY DETAILS**

Account 2424910 - Roll Year 2024

Owners	535 S KENTUCKY LAND TRUST
Mailing Address	122 E LAKE AVE LONGWOOD FL 32750
Site Address	535 S KENTUCKY AVE COCOA FL 32922
Parcel ID	24-36-32-75-18-12
Taxing District	23D0 - COCOA
Exemptions	NONE
Property Use	0110 - SINGLE FAMILY RESIDENCE
Total Acres	0.14
Site Code	0001 - NO OTHER CODE APPL.
Plat Book/Page	0005/0010
Subdivision	VIRGINIA PARK
Land Description	VIRGINIA PARK LOT 12 BLK 18

**VALUE SUMMARY**

Category	2024	2023	2022
Market Value	\$75,840	\$80,490	\$72,790
Agricultural Land Value	\$0	\$0	\$0
Assessed Value Non-School	\$75,840	\$80,490	\$37,460
Assessed Value School	\$75,840	\$80,490	\$72,790
Homestead Exemption	\$0	\$0	\$0
Additional Homestead	\$0	\$0	\$0
Other Exemptions	\$0	\$0	\$0
Taxable Value Non-School	\$75,840	\$80,490	\$37,460
Taxable Value School	\$75,840	\$80,490	\$72,790

SALES / TRANSFERS

Date	Price	Type	Instrument
01/30/2023	\$87,000	WD	9717/2682
09/21/2022	\$7,000	WD	9618/2597
06/29/2000	\$16,000	WD	4192/0926
03/15/2000	--	CT	4136/0417
12/30/1998	--	WD	3948/2617
05/30/1997	\$8,300	WD	3674/2496
05/01/1997	\$12,500	WD	3707/1621
09/01/1995	\$25,000	QC	3557/1309
04/07/1986	\$19,000	WD	2686/2892
05/01/1974	\$5,000	--	1445/0507

BUILDINGS**PROPERTY DATA CARD #1****Building Use:** 0110 - SINGLE FAMILY RESIDENCE

Materials		Details	
Exterior Wall:	VINYL/ALUMINUM	Year Built	1945
Frame:	WOOD FRAME	Story Height	8
Roof:	SHEET METAL	Floors	1
Roof Structure:	HIP/GABLE	Residential Units	1
		Commercial Units	0
Sub-Areas		Extra Features	
Base Area (1st)	672	Fireplace	1
Screen Porch	140		
Utility Room	105		
Total Base Area	672		
Total Sub Area	917		



Application # CE -

23 - 649

LIEN REDUCTION APPLICATION

Cocoa Police Department
Code Enforcement Division
1226 W King Street
Cocoa, Florida 32922
Phone; (321) 433-8508

This application must be completed entirely. The property must be in compliance per the City Code Section 6-707(d), if the property does not meet the guidelines of the City Code the Lien Reduction Application will not be scheduled for a hearing before the Code Enforcement Board.

This form is divided into steps which will help you prepare your request, provide the necessary information, and prepare for the Code Enforcement Board and City Council hearing.

For Office Use Only - Date Received

Jan. 21, 2025

Stamp Only When Application is Fully Complete

Please TYPE or PRINT this application neatly.

1. Date: _____

2. Applicant Information: * NOTE: Applicant is the main contact, who must attend the meeting.

Company (if applicable): Bader's Financial Center Inc.Name: Rachel Smith & Omer BaderMailing Address: 359 Lanternback Island DrCity: Satellite Beach State: FL Zip Code: 32937Phone #: 321.378.6300 Fax #: N/AMobile #: 305.310.1018 E-mail: admin@securedlendinggroupfl.com

3. Property Owner Information:

* Check here if same as Applicant → ☐

* If more than one owner, attach additional sheet with names and addresses.

Company (if applicable): 535 S. KENTUCKY LAND TRUSTName: 535 S. KENTUCKY LAND TRUSTMailing Address: 122 E LAKE AVECity: LONGWOOD State: FL Zip Code: 32750Phone #: 407-755-1010 Fax #: N/AMobile #: N/A E-mail: admin@commonwealthlandtrust.com

4. Information for property on which lien occurs:

Street Address and Location: 535 S. Kentucky Ave, Cocoa, FL, 32922

Parcel ID:

24-36-32-75-1812

Tax Account Number:

2424910

Existing Use(s) on Property: Residential Use

Proposed Use(s) on Property: N/A

(If residential – (circle one) owner occupied or rental) if rental does property owner anticipate accepting any state or federal rental subsidies?

NO

Nature of Violation(s): Accum of Trash & Litter / Storing Outdoors / Permit / Exterior General Cond.

Date Fine or Lien Imposed: 03/21/24 Amount of Fine: 100⁰⁰
per day

Have the violation(s) on the subject property been corrected: Yes/ No (Circle one)

Date upon which the subject property was brought into compliance: 12/6/24

5. Please provide the following information:

Code enforcement case number: 23-649

Were you the property owner at the time the lien was imposed? Yes No (Circle one) If so, how many days did it take from the board order to the date compliance was achieved? 249

If you were not the property at the time the violation occurred, were you aware of the lien when you purchased the property? Yes No NA (Circle one) If the property was not in compliance at the time you purchased the property how many days from the time of purchase did it take for you to come into compliance?

Did you receive the Notice of Violation issued by the Code Enforcement Division: Yes No (Circle one)

Did you receive the Finding of Facts issued by the Code Enforcement Board: Yes No (Circle one)

The factual basis upon which the application for reduction of the lien should be granted:

The property "Owner" was made aware of this lien and never brought it into compliance. When our company "reclaimed" the property in August we began the work to fix the lien issues.

The reasons, if any, compliance was not obtained prior to the order of penalty or fine being recorded:

We, the company, own the property in question. We have a management agreement with prior owner to take care of property. They let the property fall into disrepair, along with rent the property out. Renters damaged property further.

Amount you are requesting that the lien be reduced to: _____

Please provide any other information deemed pertinent to this request, including but not limited to the circumstances that exist which would warrant the reduction or forgiveness of the penalty or fine. Include documentation of any financial investment made to physically improve the property:

We have paid for the work to be done to bring into compliance Dumpster /Junk Removal, Vinyl Materials & Install for permit, water heater install & materials, along with extra inspection items that needed to be fixed.

Are there any other properties within the jurisdictional limits of the City of Cocoa owned by the applicant and/or owners of the subject property on which code violations have been alleged, of which the case is still active, or a Finding of Facts has been entered by the Code Enforcement Board, if so please provide the address, the nature of violation and the status of such:

NO

6. Please submit the following items in order complete the application:

- a. ☒ **Notarized application.**
- b. ☒ **Reimbursement to City for recording costs at time of application.** Pursuant to Section 6-707(c), Code of the City of Cocoa, at the time of application, payment to the city in the amount necessary to reimburse the City for its costs associated with processing and recording the order imposing a penalty or fine and the requested satisfaction or release of lien. Please make checks payable to the 'City of Cocoa' and submit payment ONLY to the Community Services Department. Please note that these costs are non-refundable without regard for the final disposition of the application for satisfaction or release of lien. **The application fee is \$20.00 and will need to be paid at the time the application is submitted.**
- c. ☐ **Letter of authorization.** If the applicant is not the property owner, a notarized letter of authorization or agent affidavit is required, unless the applicant is the Attorney of the owner. Each property owner must complete a separate authorization form or other suitable documentation to allow the agent to act upon his/her behalf.
- d. ☐ **Corporate documents.** If the applicant/owner is representing a company, articles of incorporation which show the applicant/owner is authorized to represent the company is required. A data record printout from the Florida Department of State, Division of Corporations website may also be provided (<http://www.sunbiz.org/corpweb/inquiry/search.html>).
- e. ☐ **Additional information (optional).** Submit any information that may be helpful in understanding the request. This may include photos, sketches, elevations, or letters from adjoining property owners.

7. **Application Filing Procedure.** This application, together with all required exhibits and attachments, shall be completed and filed with the Code Enforcement Division by the third Friday of each month at 5:00 pm in order to be scheduled for public hearing for the following month.

8. **Procedure per City Code.** Section 6-707 states the City Lien Reduction rules and procedures for applying for a reduction. It is the applicant's responsibility to read and understand the rules and procedures that are located on page 6 of the Lien Reduction Application
9. **Board Action.** An Inspection of the property must be performed to be scheduled at the Code Board. Following a presentation by staff and testimony offered by the applicant, the Code Enforcement Board will formulate a recommendation to City Council.
10. **City Council Action.** An Inspection of the property must be performed to be scheduled before council. Following the Code Enforcement Board making a recommendation to the City Council, staff will schedule the item for the next available City Council regular meeting.
11. **Inspections.** I agree to allow Code Enforcement to inspect my property and give consent to walk the property before proceeding with this reduction ☒ YES ☐ NO

Signature below will also show that consent to inspect was given by the property owner or representative.

12. Signatures and Notarization.

STATE OF Florida COUNTY OF Brevard I, Omer S. Bader
being first duly sworn, depose and say that:

- ☒ I am the applicant, or if corporation, I am the officer of the corporation authorized to act on this request.
- ☐ I am the legal representative of the applicant of this application and a notarized Letter of Authorization form or agent affidavit accompanies this application giving written, unless the applicant is the Attorney representing the owner.

I hereby certify that I have read, completed and understand this Application and understand that if my application and all associated attachments are not complete and accurate in all respects, the application will not be scheduled for a public hearing. I further understand that this application must be complete and accurate prior to the advertising of a public hearing.

[Signature]
(APPLICANT SIGNATURE)
Public) AS TRUSTEE

Personally Known ☒ OR Produced Identification ☐

Type of I.D. Produced

[Signature]
(Print, Type, or Stamp Commissioned Name of Notary

SANDI YOUNG

[Signature]
(NOTARY PUBLIC SIGNATURE)

STATE OF FLORIDA, COUNTY OF BREVARD

Sworn and subscribed to before me this 16TH day of JANUARY, 20 25



SANDI YOUNG
Notary Public
State of Florida
Comm# HH254478
Expires 4/18/2026

Public Hearing Process Information.

It is the responsibility of the Applicant to read the Lien Reduction Application to its entirety. Please keep this sheet from your application for your records. At any time through this process you have any questions or concerns, please contact the Code Enforcement Division at 321-433-8508.

1. **Public hearing date and location.** All regularly scheduled hearings are held on the third Thursday of each month at 6:00pm in the Cocoa City Hall Council Chambers located at 65 Stone Street, Cocoa, Florida unless otherwise notified.
2. **Presence required at the public hearings.** The applicant or his/her representative must be present to answer any questions concerning the request. If there are extenuating circumstances why the applicant or his/her representative cannot attend, he or she must notify the City in writing prior to the public hearing.
3. **Preparing for public hearing.** It is the applicant's responsibility to research and know all laws that may be applicable and may affect the outcome of any decision on the applicant's request.
4. **Format of public hearing.** The public hearing before the Code Enforcement Board is quasi-judicial in nature. *State and local law strictly prohibits applicants and/or interested parties from participating in ex-parte communications with Board members in person, by phone, e-mail, or in writing before the application is considered at a public hearing.* Applicants are encouraged to review and copy the quasi-judicial rules and procedures used by the Code Enforcement Board before the public hearing date. A copy may be obtained from the City Clerk's Office.
5. **Exhibits at public hearing.** If photographs, documents, maps or other materials are provided to the Board as evidence at the public hearing, the applicant must provide a copy to the Recording Secretary, City Staff, and the Code Enforcement Board for examination. One copy of any exhibits and/or evidence shall be provided, by law those instruments automatically become part of the public records and cannot be returned to the applicant.
6. **Witnesses at public hearing.** For the purposes of making a decision on the application, the Board shall only consider testimony of qualified witnesses. A witness is determined by the Board and is generally based on:
 - a. The witness has personal knowledge of the fact in which the witness will testify; and/or
 - b. In the case of testimony consisting of opinions or inferences, the testimony is qualified as the following:
 1. Layman witness: Testimony of a witness other than an expert witness is qualified only if:
 - The witness can readily, and with equal accuracy and adequacy, communicate what he or she perceived to the Board without testifying in the form of opinions or inferences.
 - The opinions and inferences do not require any special knowledge, skill experience or training.
 2. Expert witness. Testimony of an expert witness is qualified only if:
 - The subject matter is proper for expert testimony because scientific, technical, or other specialized skill will help the Board understand the evidence being presented, or helps establish a fact in issue.
 - The witness is adequately qualified to express an opinion on the matter.

Sec. 6-707. - Satisfaction or release of code enforcement lien. (NOTE: this is not the code section in its entirety)

- (b) **Application.** The application shall be executed under oath and sworn to in the presence of a notary public.
- (c) **Reimbursement to city for recording costs at time of application.** The violator shall submit, at the time of application, payment to the city in the amount necessary to reimburse the city for its costs associated with recording the order imposing a penalty or fine and the requested satisfaction or release of lien. These costs are non-refundable, without regard for the final disposition of the application for satisfaction or release of lien.
- (d) **Processing of application by Code Enforcement Manager or Chief of Police.** Upon receipt of the application for satisfaction or release of lien and payment provided above, the community development director shall confirm through the code enforcement department that the violation which resulted in the order imposing penalty or fine has been brought into compliance. If the violation has been brought into compliance and there is no current code violation upon the property in question, the community development director shall place the application upon the agenda of the next meeting of the code enforcement board.
- (e) **Code enforcement board hearing.** At the hearing before the code enforcement board, the board shall review and consider the application for satisfaction or release of lien, provide the violator with an opportunity to address the board regarding the application for satisfaction or release of lien, and to take the testimony of other interested parties, including but not limited to city staff.

Review and recommendation. Upon review of the application and any testimony presented, the code enforcement board shall recommend to the city council approval, approval with conditions, or denial of the application for satisfaction or release of lien.

The code enforcement board, in determining its recommendation, shall consider the following factors:

- (1) The gravity of the violation;
 - (2) The time in which it took the violator to come into compliance;
 - (3) The accrued amount of the code enforcement fine or lien;
 - (4) Any previous or subsequent code violations;
 - (5) Any financial hardship; and
 - (6) Any other mitigating circumstance which may warrant the reduction or satisfaction of the penalty or fine.
- (f) **Presentation to city council.** After a recommendation has been rendered by the code enforcement board, the community development director shall place the application for satisfaction or release of lien upon the agenda of the next regularly scheduled city council meeting. The city council may take action solely based upon the sworn application and recommendation of the code enforcement board; or it may, in its discretion, provide the violator with an opportunity to address the council in regard to the application for satisfaction or release of lien.

City Council action. The city council may approve, approve with conditions, or deny the application to satisfy or release of lien. If the city council approves the application to satisfy or release the lien and the approval is conditioned upon the violator paying a reduced penalty, fine, or any other condition, the satisfaction or release of lien shall not be prepared or recorded until the condition(s) placed by the council have been satisfied.

- (g) **Compliance with city council conditions.** The violator shall have thirty (30) days in which to comply with the conditions imposed by the city council. Failure of the violator to comply will result in the automatic denial of the application for satisfaction or release of lien.
- (h) **Effect of denial on application for subsequent lien reduction or forgiveness.** If the application is denied or if the application is automatically denied due to the failure of the violator to comply with the conditions imposed by the city council, the violator shall thereafter be barred from applying for a subsequent reduction or forgiveness of the lien for a period of one (1) year from the date of denial. During the one-year period, the lien may only be satisfied and released upon full payment of the fine or penalty imposed in accordance with this chapter.

(Ord. No. 16-06, § 2, 5-9-06)

**CODE ENFORCEMENT BOARD
CITY OF COCOA, FLORIDA
CASE NO. 23-649**

THE CITY OF COCOA

A Florida Municipal Corporation,
Complainant,

vs.

535 S KENTUCKY LAND TRUST
Owners of the Property located at:
535 S KENTUCKY AVE
COCOA FL 32922
Parcel ID: 24-36-32-75-18-12

Respondent,
_____ /

FINDINGS OF FACT, CONCLUSIONS OF LAW AND ORDER

THIS CAUSE, having come for consideration, after being duly noticed, before the Code Enforcement Board of the City of Cocoa, Florida, on **January 18, 2024** to determine whether any violations of the City of Cocoa Code of Ordinances exist or existed on the property. The Board, having heard the arguments of the parties and the evidence presented and having reviewed the record and being otherwise fully advised, makes the following Findings of Fact, Conclusions of Law and Order as set forth herein.

Findings of Fact and Conclusions of Law

Based upon the evidence and testimony presented at this hearing, the Code Enforcement Board finds: That a code enforcement officer of the City of Cocoa determined the Subject Property was in violation of:

- ☒ *II. Accum. Of Trash and Litter Ch 6 Sec. 6-900 (b)(1)a-d* **25.00**
- ☒ *XXXIII. Storing Outdoors, Ch 6 Sec. 6-900 (b)(11)* **25.00**
- ☒ *XXII. Permit Required App A Art. XV Sec 2 (a)* **50.00**
- ☒ *IX. Exterior General Condition Ch 6 Sec. 6-1003 (a-p)* **25.00**

Of the City Code, and issued a Notice of Violation to Respondent giving a reasonable time to correct the violation(s).

1. That Respondent failed to correct such violation(s) within the reasonable time period provided in the Notice of Violation. Pursuant to section 162.06, Florida Statutes, this hearing was scheduled. Proper written notice of this hearing was given to Respondent.

2. That based on the testimony and evidence presented, including Staff's presentation, the Board finds Respondent is in violation of the following violations of the City Code:

- ☒ *II. Accum. Of Trash and Litter Ch 6 Sec. 6-900 (b)(1)a-d* **25.00**
- ☒ *XXXIII. Storing Outdoors, Ch 6 Sec. 6-900 (b)(11)* **25.00**
- ☒ *XXII. Permit Required App A Art. XV Sec 2 (a)* **50.00**
- ☒ *IX. Exterior General Condition Ch 6 Sec. 6-1003 (a-p)* **25.00**

Order

BASED UPON THE FOREGOING FACTS AND CONCLUSIONS OF LAW, IT IS HEREBY ORDERED:

1. Respondent shall be given until February 17, 2024 to correct all violations set forth herein on the property.

2. If Respondent fails to correct all cited violations within the time period set forth herein, the Code Enforcement Officer shall schedule this Case to appear for a compliance hearing before the Code Enforcement Board at a date to be determined, where the sole issue to be considered is whether compliance has been achieved on all violations. Respondent will be given an opportunity to appear and present evidence regarding compliance.

3. Upon a finding by the Code Enforcement Board that the property was not brought into compliance by the date set forth in this Order, a fine in the amount of:

- ☒ II. Accum. Of Trash and Litter Ch 6 Sec. 6-900 (b)(1)a-d **25.00**
- ☒ XXXIII. Storing Outdoors, Ch 6 Sec. 6-900 (b)(11) **25.00**
- ☒ XXII. Permit Required App A Art. XV Sec 2 (a) **50.00**
- ☒ IX. Exterior General Condition Ch 6 Sec. 6-1003 (a-p) **25.00**

Per day may be imposed for each and every day any of the violations continue past the above-stated date ordered for compliance by the Board and the daily fines shall continue to run until the violation is corrected and full compliance is confirmed by the Code Enforcement Officer. Respondent shall be responsible to immediately notify the Code Enforcement Officer if the property has been brought into compliance.

4. If the Board finds Respondent failed to comply with all violations by the date set forth herein, an Order Imposing Fine shall be entered and a certified copy of said Order may be recorded in the public records of Brevard County, Florida, which shall serve as a lien against the property.

Once the violations have been corrected, any of the same violations by Respondent within five years may constitute a repeat violation where the Board may impose a fine of up to \$500.00 per day for each day the violation exists beginning the day the repeat violation is first observed by the Code Enforcement Officer.

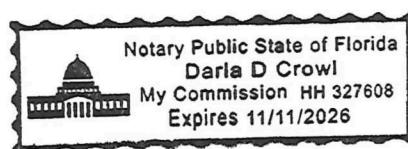
DONE AND ORDERED THIS 18 DAY OF January 2024.

CODE ENFORCEMENT BOARD OF THE
CITY OF COCOA, FLORIDA


Chairman, Code Enforcement Board

I CERTIFY THAT A COPY OF THIS ORDER was furnished to Respondent(s) at 535 S KENTUCKY LAND TRUST mailing address is 122 E LAKE AVE LONGWOOD FL 32750 this **18** day of **January, 2024** via ___hand delivery/___certified mail/___☒U.S. mail/___posting (mark all that apply).


Secretary, Code Enforcement Board



CODE ENFORCEMENT BOARD
CITY OF COCOA, FLORIDA
CASE NO. 23-649
3/21/2024

THE CITY OF COCOA
A Florida Municipal Corporation

CFN 2024077971, OR BK 10040 PAGE
2564, Recorded 04/17/2024 at 01:27 PM, Rachel M.
Sadoff, Clerk of Courts, Brevard County
Pgs:1

Complainant,

vs.

535 S KENTUCKY LAND TRUST
Owners of the Property located at:
535 S KENTUCKY AVE
Cocoa FL 32922

Parcel ID: 24-36-32-75-18-12

Respondent,
_____ /

ORDER IMPOSING ADMINISTRATIVE FINE/LIEN

THIS CAUSE, having come for consideration, after being duly noticed, before the Code Enforcement Board of the City of Cocoa, Florida, on 3/21/2024 to determine whether any violations of the City of Cocoa Code of Ordinances existed on the property. The Board, having heard the arguments of the parties and the evidence presented and having reviewed the record and being otherwise fully advised, issued the Findings of Fact, Conclusions of Law and Order. The Order required the Respondent to come into compliance by 2/17/2024

At a duly noticed Compliance Hearing of Code Enforcement Board the Respondent was found in non-compliance of the Board Order. It is hereby Ordered that the City of Cocoa shall impose a fine in the amount of twenty-five dollars (\$25.00) *Accum. Of Trash and Litter, Ch.6 Sec. 6-900 (b)(1)(a-d), twenty-five dollars (\$25.00) Storing Outdoors, Ch.6 Sec. 6-900(b)(11), fifty dollars (\$50.00) Permit Required, App. A Art. XV Sec. 2(a) and twenty-five dollars (\$25.00) Exterior General Condition, Ch.6 Sec. 6-1003 (a-p) per day* until the violation is corrected and full compliance is confirmed by the Code Enforcement Officer.

This Order shall be recorded in the public records for Brevard County, Florida, which shall serve as a lien against and upon any real or personal property owned by the Respondent pursuant to Section 162.08 and 162.09, Florida Statutes.

DONE AND ORDERED at Cocoa, Florida, this 21, day of March, 2024

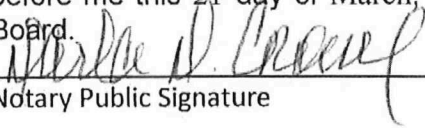
CODE ENFORCEMENT BOARD OF THE CITY OF COCOA, FLORIDA



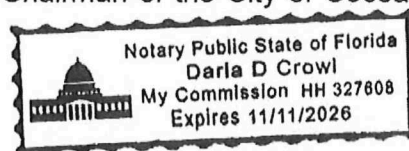
Lloyd Roberts, Chairman

CERTIFICATION:
State of Florida, County of Brevard

I hereby certify that this is an Original Copy of the Order of the Code Enforcement Board that was acknowledged before me this 21 day of March, 2024, by Lloyd Roberts, Chairman of the City of Cocoa Code Enforcement Board.



Notary Public Signature



CITY COUNCIL AGENDA ITEM

Memo Date: May 16, 2025
Agenda Date: May 27, 2025
File ID: 2025-482
Prepared By: Charlene Neuterman, Community Services Director
Through: Stockton Whitten, City Manager
Requested Action: Approve a Resolution adopting the State Fiscal Year (SFY) 2025-2028 State Housing Initiatives Partnership (SHIP) Program Local Housing Assistance Plan (LHAP) and approve submission of the Final SHIP LHAP to the Florida Housing Finance Corporation for approval. Approve the revised and updated City of Cocoa Housing Program Policies and Procedures which reflect changes as required by the State within the proposed draft of the SFY2025-2028 SHIP LHAP.

BACKGROUND:

The State of Florida requires jurisdictions receiving State Housing Initiatives Partnership (SHIP) funds to submit a three (3) year Local Housing Assistance Plan (LHAP) for the implementation of local housing assistance and incentive strategies that create or preserve affordable housing. The LHAP is submitted to the Florida Housing Finance Corporation (FHFC) for review and State approval and adopted by City Council. The estimated funding for SFY2025-2028 will be approximately \$157,077 annually and allocated in July of each State Fiscal Year.

The strategies established in this SHIP LHAP include the following:

1. Owner Occupied Rehabilitation with a maximum award of \$74,999
2. Demolition/Reconstruction with a maximum award of \$250,000
3. Disaster Assistance with a maximum award of \$15,000
4. Emergency Repairs with a maximum award of \$20,000 (New for LHAP 2025-2028)
5. Foreclosure Prevention with a maximum award of \$5,000 (New for LHAP 2025-2028)

Additionally, staff is presenting the Housing Program Policies and Procedures, which reflect changes as required by the State within the proposed draft of the SFY2025-2028 SHIP LHAP.

Approve a Resolution adopting the State Fiscal Year (SFY) 2025-2028 State Housing Initiatives Partnership (SHIP) Program Local Housing Assistance Plan (LHAP) and approve submission of the Final SHIP LHAP to the Florida Housing Finance Corporation for approval. Approve the revised and updated City of Cocoa Housing Program Policies and Procedures which reflect changes as required by the State within the proposed draft of the SFY2025-2028 SHIP LHAP.

PRIORITY AREA CONNECTION:

Community Outreach and Engagement

BUDGETARY IMPACT:

Budgeted? N/A

PREVIOUS ACTION:

N/A

RECOMMENDED MOTION:

Approve a Resolution adopting the State Fiscal Year (SFY) 2025-2028 State Housing Initiatives Partnership (SHIP) Program Local Housing Assistance Plan (LHAP) and approve submission of the Final SHIP LHAP to the Florida Housing Finance Corporation for approval. Approve the revised and updated City of Cocoa Housing Program Policies and Procedures which reflect changes as required by the State within the proposed draft of the SFY2025-2028 SHIP LHAP.



City of Cocoa



SHIP LOCAL HOUSING ASSISTANCE PLAN (LHAP)

2025-2026, 2026-2027, 2027-2028



Table of Contents

Description	Page #
Section I, Program Details	3
Section II, Housing Strategies	
A. Owner Occupied Rehabilitation – Code 3	7
B. Demolition/Reconstruction – Code 4	9
C. Disaster Assistance – Code 5	10
D. Emergency Repair – Code 6	12
E. Foreclosure Prevention – Code 7	13
Section III, Incentive Strategies	
A. Expedited Permitting	14
B. Ongoing Review Process	14
C. Modification of Impact Fees	14
D. Allowance of Flexibility in Densities for Affordable Housing	14
E. Surplus Properties for the Benefit of Affordable Housing	15
Exhibits	16
A. Administrative Budget for each fiscal year covered in the Plan	
B. Timeline for Estimated Encumbrance and Expenditure	
C. Housing Delivery Goals Chart (HDGC) For Each Fiscal Year Covered in the plan	
D. Signed LHAP Certification	
E. Signed, dated, witnessed or attested adopting resolution	



I. Program Details:

A. LG(s)

Name of Local Government	City of Cocoa
Does this LHAP contain an interlocal agreement?	No
If yes, name of other local government(s)	N/A

B. Purpose of the program:

- To meet the housing needs of the very low, low and moderate-income households;
- To expand production of and preserve affordable housing; and
- To further the housing element of the local government comprehensive plan specific to affordable housing.

C. Fiscal years covered by the Plan: 2025-2026, 2026-2027, 2027-2028

D. Governance: The SHIP Program is established in accordance with Section 420.907-9079, Florida Statutes and Chapter 67-37, Florida Administrative Code. Cities and Counties must be in compliance with these applicable statutes, rules and any additional requirements as established through the Legislative process.

E. Local Housing Partnership: The SHIP Program encourages building active partnerships between government, lending institutions, builders and developers, not-for-profit and community-based housing providers and service organizations, providers of professional services related to affordable housing, advocates for low-income persons, real estate professionals, persons or entities that can provide housing or support services and lead agencies of the local continuums of care.

F. Leveraging: The Plan is intended to increase the availability of affordable residential units by combining local resources and cost saving measures into a local housing partnership and using public and private funds to reduce the cost of housing. SHIP funds may be leveraged with or used to supplement other Florida Housing Finance Corporation programs and to provide local match to obtain federal housing grants or programs.

G. Public Input: Public input was solicited through face to face meetings with housing providers, social service providers and local lenders and neighborhood associations. Public input was solicited through the local newspaper in the advertising of the Local Housing Assistance Plan and the Notice of Funding Availability.

H. Advertising and Outreach: SHIP funding availability shall be advertised in a newspaper of general circulation and periodicals serving ethnic and diverse neighborhoods, at least 30 days before the beginning of the application period. If no funding is available due to a waiting list, no notice of funding availability is required.

I. Waiting List/Priorities: A waiting list will be established when there are eligible applicants for strategies that no longer have funding available. Those households on the waiting list will be notified of their status. Applicants will be maintained in an order that is consistent with the time completed applications were submitted as well as any established funding priorities as described in this plan.



The following priorities for funding (very low income, Special Needs, etc.) described/listed here apply to all strategies unless otherwise stated in an individual strategy in Section II:

All applications are accepted on a first qualified/first served basis. Ranking Priority:

1. Special Needs Households
 - a. Very low
 - b. Low
 - c. Moderate
2. After Special Needs set-asides are met
 - a. Very low
 - b. Low
 - c. Moderate

Exceptions will only be taken if necessary to meet a statutory requirement close to the expenditure deadline.

- J. Discrimination:** In accordance with the provisions of ss.760.20-760.37, it is unlawful to discriminate on the basis of race, color, religion, sex, national origin, age, handicap, or marital status in the award application process for eligible housing.
- K. Support Services and Counseling:** Support services are available from various sources. Available support services may include, but are not limited to: Homeownership Counseling (Pre and Post), Credit Counseling, Tenant Counseling, Foreclosure Counseling and Transportation.
- L. Purchase Price Limits:** The sales price or value of new or existing eligible housing may not exceed 90% of the average area purchase price in the statistical area in which the eligible housing is located. Such average area purchase price may be that calculated for any 12-month period beginning not earlier than the fourth calendar year prior to the year in which the award occurs. The sales price of new and existing units, which can be lower but may not exceed 90% of the average area purchase price established by the U.S. Treasury Department or as described above.

The methodology used is:

U.S. Treasury Department	X
Local HFA Numbers	

- M. Income Limits, Rent Limits and Affordability:** The Income and Rent Limits used in the SHIP Program are updated annually by the Department of Housing and Urban Development and posted at www.floridahousing.org.

"Affordable" means that monthly rents or mortgage payments including taxes and insurance do not exceed 30 percent of that amount which represents the percentage of the median annual gross income for the households as indicated in Sections 420.9071, F.S. However, it is not the intent to limit an individual household's ability to devote more than 30% of its income for housing, and housing for which a household



devotes more than 30% of its income shall be deemed Affordable if the first institutional mortgage lender is satisfied that the household can afford mortgage payments in excess of the 30% benchmark and in the case of rental housing does not exceed those rental limits adjusted for bedroom size.

- N. Welfare Transition Program:** Should an eligible sponsor be used, a qualification system and selection criteria for applications for Awards to eligible sponsors shall be developed, which includes a description that demonstrates how eligible sponsors that employ personnel from the Welfare Transition Program will be given preference in the selection process.
- O. Monitoring and First Right of Refusal:** In the case of rental housing, the staff and any entity that has administrative authority for implementing the local housing assistance plan assisting rental developments shall annually monitor and determine tenant eligibility or, to the extent another governmental entity provides periodic monitoring and determination, a municipality, county or local housing financing authority may rely on such monitoring and determination of tenant eligibility. However, any loan or grant in the original amount of \$10,000 or less shall not be subject to these annual monitoring and determination of tenant eligibility requirements. Tenant eligibility will be monitored annually for no less than 15 years or the term of assistance whichever is longer unless as specified above. Eligible sponsors that offer rental housing for sale before 15 years or that have remaining mortgages funded under this program must give a first right of refusal to eligible nonprofit organizations for purchase at the current market value for continued occupancy by eligible persons.
- P. Administrative Budget:** A line-item budget is attached as Exhibit A. The city/county finds that the moneys deposited in the local housing assistance trust fund are necessary to administer and implement the local housing assistance plan.

Section 420.9075 Florida Statute and Chapter 67-37, Florida Administrative Code, states: “A county or an eligible municipality may not exceed the 5 percent limitation on administrative costs, unless its governing body finds, by resolution, that 5 percent of the local housing distribution plus 5 percent of program income is insufficient to adequately pay the necessary costs of administering the local housing assistance plan.”

Section 420.9075 Florida Statute and Chapter 67-37, Florida Administrative Code, further states: “The cost of administering the program may not exceed 10 percent of the local housing distribution plus 5 percent of program income deposited into the trust fund, except that small counties, as defined in s. 120.52(19), and eligible municipalities receiving a local housing distribution of up to \$350,000 may use up to 10 percent of program income for administrative costs.” The applicable local jurisdiction has adopted the above findings in the resolution attached as Exhibit E.

- Q. Program Administration:** Administration of the local housing assistance plan will be performed by:

Entity	Duties	Admin. Fee Percentage
Local Government	Administer the program activities	10%
Third Party Entity/Sub-recipient		

- R. First-time Homebuyer Definition:** For any strategies designed for first-time homebuyers, the following



definition will apply: *An individual who has had no ownership in a principal residence during the 3-year period*

ending on the date of purchase of the property. This includes a spouse (if either meets the above test, they are considered first-time homebuyers). A single parent who has only owned a home with a former spouse while married. An individual who is a displaced homemaker and has only owned with a spouse. An individual who has only owned a principal residence not permanently affixed to a permanent foundation in accordance with applicable regulations. An individual who has only owned a property that was not in compliance with state, local or model building codes and which cannot be brought into compliance for less than the cost of constructing a permanent structure.

S. Project Delivery Costs: N/A

T. Essential Service Personnel Definition (ESP): ESP includes teachers and educators, other school district, community college, and university employees, police and fire personnel, health care personnel, and skilled building trades personnel.

U. Describe efforts to incorporate Green Building and Energy Saving products and processes: Green initiatives will be utilized in repairs funded through SHIP to include low E windows and energy efficient appliances, water heater, and HVAC.

V. Describe efforts to meet the 20% Special Needs set-aside: Applicants with households qualifying as Special Needs as defined by Section 420.0004(13) will be given priority. If Special Needs designation cannot be made at the time the application is received, and if the Special Needs set-aside has not yet been reached, area social service agencies serving the designated special needs populations are valuable stakeholders to assist in achieving the goal of the special needs set-asides. Special needs set-asides will be achieved through all strategies included herein.

Describe efforts to reduce homelessness: The City of Cocoa promotes collaboration and partnership among local social service organizations, community-based and faith-based organizations as a primary way to address local needs and issues more effectively. Local homeless agencies are encouraged to refer persons living in transitional housing to apply for assistance under the City-funded homebuyer assistance programs and rental housing programs. The City of Cocoa is a member of the Brevard Homeless Coalition (BHC), the lead agency of the Brevard County Continuum of Care (BHC), a 501(c)(3) with an independent board of directors that represents a cross section of advocate supporters.



Section II. LHAP Strategies:

A. Owner Occupied Rehabilitation	Code 3
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- | |
|---|
| <p>a. Summary: funds will be awarded to repair owner-occupied homes to alleviate code violations, health hazards, and life safety issues.</p> |
|---|

- b. Fiscal Years Covered: 2025-2026, 2026-2027, 2027-2028
- c. Income Categories to be served: Very low, low and moderate
- d. Maximum award: \$74,999
- e. Terms:
 - 1. Repayment loan/deferred loan/grant: Repayment loan/deferred loan/grant: Award as deferred payment loan secure by a note and mortgage.
 - 2. Interest Rate: 0%
 - 3. Years in Loan Term
 - a. Less than \$25,000 – 5 years
 - b. \$25,001-\$49,999 – 10 years
 - c. \$50,000-\$74,999 – 20 years
 - 4. Forgiveness
 - a. Less than \$25,000 – 20% per year
 - b. \$25,001 - \$49,999 – 10% per year
 - c. \$50,000-\$74,999 – 5% per year
 - 5. Repayment: None required if loan is in good standing
 - 6. Default: The loan will be determined to be in default if any of the following occurs during the loan term: sale, transfer, conveyance of property, conversion to a rental property, loss of homestead exemption status, failure to occupy the home as a primary residence. If any of these occur, the outstanding balance will be due and payable to the City.

In cases where the qualifying homeowner(s) die(s) during the loan term, the loan may be assumed by a SHIP eligible heir who will occupy the home as a primary residence. If the legal heir is not SHIP eligible or chooses not to occupy the home, the outstanding balance of the loan will be due and payable.

If the home is foreclosed on by a superior mortgage holder, the City will try to recapture funds through the legal process, if it is determined that adequate funds may be available to justify pursuing a repayment.



- f. Recipient/Tenant Selection Criteria: Eligible applicants will be approved for assistance on a first qualified, first served basis subject to funding availability and to maintain compliance with income-category reservations set forth in §420.9075(5) (2).

In compliance with established City policy, other selection criteria are as follows:

1. Applicants must have a fee simple title to the property.
2. Applicant's principal residence must be a single-family home located within the city limits of Cocoa
3. First time applicants will be given priority over previously assisted persons. Exceptions may be made for eligible property owners in cases where living conditions threaten the personal health and safety of the household.
4. Applicants must be in good standing with the City (e.g. City utility accounts and property taxes must be current, and property must be free of code enforcement violations or any other assessments unless owner is engaged in process of paying off any such obligations).
5. Applicants must own and occupy the assisted home as their primary residence as evidenced by a homestead exemption (or eligibility for homestead exemption) on the assisted property. The homeowner will select an approved contractor from those whose proposals meet, or which can be modified to meet bid requirements.

- g. Sponsor Selection Criteria: N/A

- h. Additional Information:

Subordinations: Only subordination requests which increase the affordability of the housing unit, decreases the term of the loan, assist with medical expenses, or provides a lower interest rate will be considered. Receiving cash back due to consumer debt repayment will not be considered. All requests will be reviewed on a case-by-case basis.

Requests for a Second Assistance: Households which have previously been assisted through the City's housing programs shall be limited to receiving one additional instance of minor repairs. These repairs shall be limited to health/safety repairs whose cost shall be no more than \$20,000 if the household has no need for handicapped accessibility. If a client is elderly or has need of handicap accessibility, assistance will be up to \$20,000 for accessibility to include (but not limited to) ramps, grab bars, and walk-in showers.



B. Demolition/Reconstruction	Code 4
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a. Summary: When an applicant's home has been approved for owner occupied rehabilitation but is determined to be beyond reasonable repair (more than 50% of structure is deemed unlivable and estimated rehab exceeds \$75,000, the homeowner will be eligible for the demolition and reconstruction of a new home.

b. Fiscal Years Covered: 2025-2026, 2026-2027, 2027-2028

c. Income Categories to be served: Very low, low and moderate

d. Maximum award: \$250,000

e. Terms:

1. Repayment loan/deferred loan/grant: Deferred payment loan secured by a note and mortgage
2. Interest Rate: 0 %
3. Years in loan term: 20
4. Forgiveness: 5% per year
5. Repayment: None required if the loan is in good standing
6. Default: The loan will be determined to be in default if any of the following occurs during the loan term: sale, transfer, conveyance of property, conversion to a rental property, loss of homestead exemption status, or failure to occupy the home as the primary residence. If any of these occur, the outstanding balance will be due and payable to the City.

In cases where the qualifying homeowner(s) die(s) during the loan term, the loan may be assumed by a SHIP eligible heir who will occupy the home as a primary residence. If the legal heir is not SHIP eligible or chooses not to occupy the home, the outstanding balance of the loan will be due and payable.

If the home is foreclosed on by a superior mortgage holder, the City will try to recapture funds through the legal process, if it is determined that adequate funds may be available to justify pursuing a repayment.

f. Recipient/Tenant Selection Criteria: Applicants will be ranked for assistance based on a first-qualified, first-served basis with the priorities for Special Needs, Essential Services Personnel and income groups as described in Section I.

g. Sponsor Selection Criteria: N/A

h. Additional Information:



Subordinations: Only subordination requests which increase the affordability of the housing unit, decreases the term of the loan, assist with medical expenses, or provides a lower interest rate will be considered. Receiving cash back due to consumer debt repayment will not be considered. All requests will be reviewed on a case-by-case basis.

C. Disaster Assistance	Code 5
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a. Summary: Funds shall be provided to households following a disaster as declared by the President of the United States or Governor of the State of Florida. This strategy will only be implemented in the event of a disaster using any funds that have not yet been encumbered or additional disaster funds issued by Florida Housing Finance Corporation. Funds will be used for: • Purchase of emergency supplies for eligible households to weatherproof damaged homes. • Interim repairs to avoid further damage, such as tree and debris removal, to make the individual housing unit habitable. • Deductible assistance up to \$2,500. • Other activities approved by Florida Housing Finance Corporation in this LHAP

- b. Fiscal Years Covered: 2025-2026, 2026-2027, 2027-2028
- c. Income Categories to be served: Very low, low and moderate
- d. Maximum award: \$15,000
- e. Terms:
1. Repayment loan/deferred loan/grant: Grant
 2. Interest Rate: N/A
 3. Years in loan term: N/A
 4. Forgiveness: N/A
 5. Repayment: N/A
 6. Default: N/A
- f. Recipient/Tenant Selection Criteria: Applicants will be ranked for assistance based on a first-qualified, first-served basis with the priorities for Special Needs, Essential Services Personnel and income groups as described in Section I.
- g. Sponsor Selection Criteria: N/A
- h. Additional Information:



D. Emergency Repair	Code 6
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a. Summary: The Emergency Repair Program is designed to correct, repair or replace essential system and/or critical structural problems. The purpose of the Emergency Repair-Limited Rehabilitation Program is to stabilize the homeowner's residence by making essential repairs to make the home safe, accessible and livable. The repairs needed may include, but are not limited to, correcting City Building Code violations, eliminating incipient housing code violations, electrical or plumbing problems, air conditioning replacement, and accessibility improvements for occupant(s) with disabilities. Other conditions that could cause the home to be or become uninhabitable will be considered on a case-by-case basis.

- b. Fiscal Years Covered: 2025-2026, 2026-2027, 2027-2028
- c. Income Categories to be served: Very low, low and moderate
- d. Maximum award: \$20,000
- e. Terms:
 - 1. Repayment loan/deferred loan/grant: Deferred payment loan secured by a note and mortgage
 - 2. Interest Rate: 0%
 - 3. Years in loan term: 5
 - 4. Forgiveness: 20% per year
 - 5. Repayment: None required if the home is in good standing
 - 6. Default: The loan will be determined to be in default if any of the following occurs during the loan term; sale, transfer or conveyance of property, conversion to a rental property, loss of homestead exemption status, failure to occupy the home as primary residence. If any of these occur, the outstanding balance will be due and payable.

In cases where the qualifying homeowner(s) die(s) during the loan term, the loan may be assumed by a SHIP eligible heir who will occupy the home as a primary residence. If the legal heir is not SHIP eligible or chooses not to occupy the home, the outstanding balance of the loan will be due and payable.

If the home is foreclosed on by a superior mortgage holder, the City will try to recapture funds through the legal process, if it is determined that adequate funds may be available to justify pursuing a repayment.



- f. Recipient/Tenant Selection Criteria: Applicants will be ranked for assistance based on a first-qualified, first-served basis with the priorities for Special Needs and income groups as described in Section 1. (i) of this plan.
- g. Sponsor Selection Criteria: N/A
- h. Additional Information:

Subordinations: Only subordination requests which increase the affordability of the housing unit, decrease the term of the loan, assist with medical expenses, or provide a lower interest rate will be considered. Receiving cash back due to consumer debt repayment will not be considered. All requests will be reviewed on a case-by-case basis.

E. Foreclosure Prevention	Code 7
----------------------------------	--------

- | |
|--|
| <ul style="list-style-type: none"> a. Summary: This strategy will help those having trouble making their mortgage payments through no fault of their own (examples include loss of employment, unexpected medical bills or loss of co-borrower). The assistance will be available to homeowners in need from one (1) to three (3) months. They must be able to show that they will be able to maintain their mortgage following assistance. |
|--|
- b. Fiscal Years Covered: 2025-2026, 2026-2027, 2027-2028
 - c. Income Categories to be served: Very low, low and moderate
 - d. Maximum award: \$ 5,000
 - e. Terms:
 - 1. Repayment loan/deferred loan/grant: Grant (funds not subject to recapture)
 - 2. Interest Rate: N/A
 - 3. Years in loan term: N/A
 - 4. Forgiveness: N/A
 - 5. Repayment: N/A
 - 6. Default: N/A
 - f. Recipient/Tenant Selection Criteria: Must meet income requirements and be struggling to keep their mortgage current. Property must be in the City of Cocoa boundaries. Awarded on a first-qualified, first-served basis.
 - g. Sponsor/Sub-recipient Selection Criteria: N/A
 - h. Additional Information: N/A



III. LHAP Incentive Strategies

In addition to the **required Incentive Strategy A and Strategy B**, we include all adopted incentives with the policies and procedures used for implementation as provided in Section 420.9076, F.S.:

A. Name of Strategy: **Expedited Permitting**

Permits as defined in s. 163.3177 (6) (f) (3) for affordable housing projects are expedited to a greater degree than other projects.

Provide a description of the procedures used to implement this strategy:

Permits as defined in s. 163.3164(7) and (8) for affordable housing projects, are expedited to a greater degree than other projects. On February 14, 2006, the City Council adopted Resolution No. 2006-20 waiving building permits and inspection fees for City projects or projects completed on City property, this includes SHIP funded projects.

B. Name of Strategy: **Ongoing Review Process**

An ongoing process for reviewing local policies, ordinances, regulations and plan provisions that increase the cost of housing prior to their adoption.

Provide a description of the procedures used to implement this strategy:

The City utilizes a development review process that reviews all proposed changes to ordinances, resolutions, regulations, procedures, or policies to determine the impact on housing cost prior to the adoption by the City Council. The ongoing review process was adopted through Resolution No. 94-34 by the City Council on June 28, 1994, and amended on December 13, 1994.

C. Other Incentive Strategies Adopted: **Modification of Impact Fees**

Resolution No. 98-2 allows for the reduction or waiver of rates, fees, charges, and assessments for individual users located within the City limits of any component or component of the water and sewer system if the City determines and finds that it is in the best interests of the health, safety, and general welfare of its citizens to grant such reduction or waiver.

D. Other Strategies Adopted: **Allowance of Flexibility in Densities for Affordable Housing**

The City can enter into development agreements pursuant to the Florida Municipal Home Rule Powers Act. Any agreement may also provide for variances or waivers from any applicable Land Development Regulation (LDR) of the City, provided the owner of real property demonstrates a bona fide need for the variance or waiver and agrees to provide significant enhancements to the subject property in exchange for the variance or waiver.

To encourage the creation of new affordable housing within the City and to preserve and augment the



residential character of the RU-2-10 Single-Family and Multifamily Dwelling District within the Redevelopment Area, a Housing Bonus Program was created to provide a transferable floor area bonus for the development of new affordable housing within the Redevelopment Area. This Floor Area Bonus may be generated in the RU-2-10 Single-Family and Multifamily Dwelling District, and may be used in the CBD, Central Business District.

For each newly constructed unit of qualifying affordable housing, 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 substantial rehabilitation of qualifying affordable housing, 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 a bonus is transferable.

E. Other Strategies Adopted: **Surplus Properties for the Benefit of Affordable Housing**

An ongoing process of the review of city owned properties for the benefit of affordable housing as provided in Florida Statutes, Section 166.0451.:

Provide a description of the procedures used to implement this strategy:

The City conducts a yearly review of the inventory list at a public hearing to revise the listing of all City owned property prior to the adoption by the City Council. The ongoing review process was adopted through Resolution No 2020-148 by City Council.



IV. EXHIBITS:

Required

- A. Administrative Budget for each fiscal year covered in the Plan.
- B. Timeline for Estimated Encumbrance and Expenditure.
- C. Housing Delivery Goals Chart (HDGC) For Each Fiscal Year Covered in the plan.
- D. Signed LHAP Certification.
- E. Signed, dated, witnessed or attested adopting resolution.

Optional

- F. Ordinance: (If changed from the original creating ordinance).- N/A
- G. Interlocal Agreement (Required if applicable). – N/A
- H. Other Documents Incorporated by Reference.

City of Cocoa

Fiscal Year: 2025-2026	
Estimated SHIP Funds for Fiscal Year:	\$ 157,077.00
Salaries and Benefits	\$ 12,707.00
Office Supplies and Equipment	\$ 500.00
Travel Per diem Workshops, etc.	\$ 1,500.00
Advertising	\$ 1,000.00
Other*	\$
Total	\$ 15,707.00
Admin %	10.00%
	OK

Fiscal Year 2026-2027	
Estimated SHIP Funds for Fiscal Year:	\$ 157,077.00
Salaries and Benefits	\$ 12,707.00
Office Supplies and Equipment	\$ 500.00
Travel Per diem Workshops, etc.	\$ 1,500.00
Advertising	\$ 1,000.00
Other*	\$
Total	\$ 15,707.00
Admin %	10.00%
	OK

Fiscal Year 2027-2028	
Estimated SHIP Funds for Fiscal Year:	\$ 157,077.00
Salaries and Benefits	\$ 12,707.00
Office Supplies and Equipment	\$ 500.00
Travel Per diem Workshops, etc.	\$ 1,500.00
Advertising	\$ 1,000.00
Other*	\$
Total	\$ 15,707.00
Admin %	10.00%
	OK

*All "other" items need to be detailed here and are subject to review and approval by the SHIP review committee. Project Delivery Costs that are outside of administrative costs are not to be included here, but must be detailed in the LHAP main document.

Details:

Exhibit B
Timeline for SHIP Expenditures

City of Cocoa affirms that funds allocated for these fiscal years will
(local government)
meet the following deadlines:

Fiscal Year	Encumbered	Expended	Closeout Report
2025-2026	6/30/2027	6/30/2028	9/15/2028
2026-2027	6/30/2028	6/30/2029	9/15/2029
2027-2028	6/30/2029	6/30/2030	9/15/2030

If funds allocated for these fiscal years is not anticipated to meet expenditure deadlines, Florida Housing Finance Corporation should be notified according to the following dates:

Fiscal Year	Funds Not Expended	Closeout AR Not Submitted
2025-2026	3/30/2028	6/15/2028
2026-2027	3/30/2029	6/15/2029
2027-2028	3/30/2030	6/15/2030

Requests for Expenditure Extensions (close-out year ONLY) must be emailed to robert.dearduff@floridahousing.org and include:

1. A statement that “(city/county) requests an extension to the expenditure deadline for fiscal year _____.
2. The amount of funds that is not expended.
3. The amount of funds that is not encumbered or has been recaptured.
4. A detailed plan/timeline of how/when the money will be expended.

Note: an extension to the expenditure deadline (June 30) does not relieve the requirement to submit (September 15) the annual report online detailing all funds that have been expended.

Other Key Deadlines:

AHAC reports are now due annually by December 31. Local governments receiving the minimum (or less) allocation may choose not to report.

ACFR financial statements are due each June 30 for the report ending September 30 of the previous year.

FLORIDA HOUSING FINANCE CORPORATION												
HOUSING DELIVERY GOALS CHART												
2025-2026												
Name of Local Government:			Cocoa									
Estimated Funds (Anticipated allocation only):			\$ 157,077									
Code	Strategies	Qualifies for 75% set-aside	VLI Units	Max. SHIP Award	LI Units	Max. SHIP Award	Mod Units	Max. SHIP Award	New Construction	Without Construction	Total	Units
	Homeownership											
3	Owner Occupied Rehabilitation	Yes	1	\$74,999	1	\$74,999	1	\$74,999	\$224,997.00	\$0.00	\$224,997.00	3
4	Demolition/Reconstruction	Yes	1	\$150,000	1	\$150,000	1	\$150,000	\$450,000.00	\$0.00	\$450,000.00	3
5	Disaster Assistance	Yes	1	\$15,000	1	\$15,000	1	\$15,000	\$45,000.00	\$0.00	\$45,000.00	3
6	Emergency Repair	Yes	1	\$20,000	1	\$20,000	1	\$20,000	\$60,000.00	\$0.00	\$60,000.00	3
7	Foreclosure Prevention	No	1	\$5,000	1	\$5,000	1	\$5,000	\$0.00	\$15,000.00	\$15,000.00	3
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
	Total Homeownership		5		5		5		\$779,997.00	\$15,000.00	\$794,997.00	15
Purchase Price Limits:			New	\$ 100,000	Existing	\$ 100,000						

OK

OK

Code	Rental	Qualifies for 75% set-aside	VLI Units	Max. SHIP Award	LI Units	Max. SHIP Award	Mod Units	Max. SHIP Award	New Construction	Without Construction	Total	Units
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
	Total Rental		0		0		0		\$0.00	\$0.00	\$0.00	0
	Administration Fees		\$ -		0%		OK					
	Home Ownership Counseling		\$ -									
Total All Funds			\$ 794,997	This total is over the allocation and will require less than the maximum amount be awarded per applicant								

Set-Asides

Percentage Construction/Rehab (75% requirement)		496.6%	OK
Homeownership % (65% requirement)		506.1%	OK
Rental Restriction (25%)		0.0%	OK
Very-Low Income (30% requirement)	\$ 264,999	168.7%	OK
Low Income (30% requirement)	\$ 264,999	168.7%	OK
Moderate Income	\$ 264,999	168.7%	

FLORIDA HOUSING FINANCE CORPORATION												
HOUSING DELIVERY GOALS CHART												
2026-2027												
Name of Local Government:		Cocoa										
Estimated Funds (Anticipated allocation only):			\$ 157,077									
Code	Strategies	Qualifies for 75% set-aside	VLI Units	Max. SHIP Award	LI Units	Max. SHIP Award	Mod Units	Max. SHIP Award	New Construction	Without Construction	Total	Units
	Homeownership											
3	Owner Occupied Rehabilitation	Yes	1	\$74,999	1	\$74,999	1	\$74,999	\$224,997.00	\$0.00	\$224,997.00	3
4	Demolition/Reconstruction	Yes	1	\$150,000	1	\$150,000	1	\$150,000	\$450,000.00	\$0.00	\$450,000.00	3
5	Disaster Assistance	Yes	1	\$15,000	1	\$15,000	1	\$15,000	\$45,000.00	\$0.00	\$45,000.00	3
6	Emergency Repair	Yes	1	\$20,000	1	\$20,000	1	\$20,000	\$60,000.00	\$0.00	\$60,000.00	3
7	Foreclosure Prevention	No	1	\$5,000	1	\$5,000	1	\$5,000	\$0.00	\$15,000.00	\$15,000.00	3
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
	Total Homeownership		5		5		5		\$779,997.00	\$15,000.00	\$794,997.00	15
Purchase Price Limits:			New	\$ 100,000	Existing	\$ 100,000						

OK

OK

Code	Rental	Qualifies for 75% set-aside	VLI Units	Max. SHIP Award	LI Units	Max. SHIP Award	Mod Units	Max. SHIP Award	New Construction	Without Construction	Total	Units
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
	Total Rental		0		0		0		\$0.00	\$0.00	\$0.00	0
	Administration Fees		\$ -		0%		OK					
	Home Ownership Counseling		\$ -									
Total All Funds			\$ 794,997		This total is over the allocation and will require less than the maximum amount be awarded per applicant							

Set-Asides

Percentage Construction/Rehab (75% requirement)		496.6%	OK
Homeownership % (65% requirement)		506.1%	OK
Rental Restriction (25%)		0.0%	OK
Very-Low Income (30% requirement)	\$ 264,999	168.7%	OK
Low Income (30% requirement)	\$ 264,999	168.7%	OK
Moderate Income	\$ 264,999	168.7%	

FLORIDA HOUSING FINANCE CORPORATION												
HOUSING DELIVERY GOALS CHART												
2027-2028												
Name of Local Government:		Cocoa										
Estimated Funds (Anticipated allocation only):			\$ 157,077									
Code	Strategies	Qualifies for 75% set-aside	VLI Units	Max. SHIP Award	LI Units	Max. SHIP Award	Mod Units	Max. SHIP Award	New Construction	Without Construction	Total	Units
	Homeownership											
3	Owner Occupied Rehabilitation	Yes	1	\$74,999	1	\$74,999	1	\$74,999	\$224,997.00	\$0.00	\$224,997.00	3
4	Demolition/Reconstruction	Yes	1	\$150,000	1	\$150,000	1	\$150,000	\$450,000.00	\$0.00	\$450,000.00	3
5	Disaster Assistance	Yes	1	\$15,000	1	\$15,000	1	\$15,000	\$45,000.00	\$0.00	\$45,000.00	3
6	Emergency Repair	Yes	1	\$20,000	1	\$20,000	1	\$20,000	\$60,000.00	\$0.00	\$60,000.00	3
7	Foreclosure Prevention	No	1	\$5,000	1	\$5,000	1	\$5,000	\$0.00	\$15,000.00	\$15,000.00	3
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
	Total Homeownership		5		5		5		\$779,997.00	\$15,000.00	\$794,997.00	15
Purchase Price Limits:			New	\$ 100,000	Existing	\$ 100,000						

OK

OK

Code	Rental	Qualifies for 75% set-aside	VLI Units	Max. SHIP Award	LI Units	Max. SHIP Award	Mod Units	Max. SHIP Award	New Construction	Without Construction	Total	Units
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
									\$0.00	\$0.00	\$0.00	0
	Total Rental		0		0		0		\$0.00	\$0.00	\$0.00	0
	Administration Fees		\$ -		0%		OK					
	Home Ownership Counseling		\$ -									
Total All Funds			\$	794,997	This total is over the allocation and will require less than the maximum amount be awarded per applicant							

Set-Asides

Percentage Construction/Rehab (75% requirement)		496.6%	OK
Homeownership % (65% requirement)		506.1%	OK
Rental Restriction (25%)		0.0%	OK
Very-Low Income (30% requirement)	\$ 264,999	168.7%	OK
Low Income (30% requirement)	\$ 264,999	168.7%	OK
Moderate Income	\$ 264,999	168.7%	

**CERTIFICATION TO
FLORIDA HOUSING FINANCE CORPORATION**

Local Government or Interlocal Entity:

City of Cocoa

Certifies that:

- (1) The availability of SHIP funds will be advertised pursuant to program requirements in 420.907-420.9079, Florida Statutes.
- (2) All SHIP funds will be expended in a manner which will ensure that there will be no discrimination on the basis of race, color, national origin, sex, handicap, familial status, or religion.
- (3) A process to determine eligibility and for selection of recipients for funds has been developed.
- (4) Recipients of funds will be required to contractually commit to program guidelines and loan terms.
- (5) Florida Housing will be notified promptly if the local government /interlocal entity will be unable to comply with any provision of the local housing assistance plan (LHAP).
- (6) The LHAP provides a plan for the encumbrance of funds within twelve months of the end of the State fiscal year in which they are received and a plan for the expenditure of SHIP funds including allocation, program income and recaptured funds within 24 months following the end of the State fiscal year in which they are received.
- (7) The LHAP conforms to the Local Government Comprehensive Plan, or that an amendment to the Local Government Comprehensive Plan will be initiated at the next available opportunity to insure conformance with the LHAP.
- (8) Amendments to the approved LHAP shall be provided to the Florida Housing for review and/or approval within 21 days after adoption.
- (9) The trust fund exists with a qualified depository for all SHIP funds as well as program income or recaptured funds.
- (10) Amounts on deposit in the local housing assistance trust fund shall be invested as permitted by law.
- (11) The local housing assistance trust fund shall be separately stated as a special revenue fund in the

local governments audited financial statements (ACFR). An electronic copy of the ACFR or a hyperlink shall be provided to Florida Housing by June 30 of the applicable year.

- (12) Evidence of compliance with the Florida Single Audit Act, as referenced in Section 215.97, F.S. shall be provided to Florida Housing by June 30 of the applicable year.
- (13) SHIP funds will not be pledged for debt service on bonds.
- (14) Developers receiving assistance from both SHIP and the Low-Income Housing Tax Credit (LIHTC) Program shall comply with the income, affordability and other LIHTC requirements, similarly, any units receiving assistance from other federal programs shall comply with all Federal and SHIP program requirements.
- (15) Loans shall be provided for periods not exceeding 30 years, except for deferred payment loans or loans that extend beyond 30 years which continue to serve eligible persons.
- (16) Rental Units constructed or rehabilitated with SHIP funds shall be monitored for compliance with tenant income requirements and affordability requirements or as required in Section 420.9075 (3)(e). To the extent another governmental entity provides periodic monitoring and determination, a municipality, county or local housing financing authority may rely on such monitoring and determination of tenant eligibility.
- (17) The LHAP meets the requirements of Section 420.907-9079 FS, and Rule Chapter 67-37 FAC.
- (18) The provisions of Chapter 83-220, Laws of Florida have not been implemented (except for Miami-Dade County).

Witness

Chief Elected Official or designee

Witness

Mayor Michael C. Blake
Type Name and Title

May 27, 2025
Date

OR

Attest:

(Seal)



COMMUNITY SERVICES DEPARTMENT

HOUSING & NEIGHBORHOOD SERVICES DIVISION

HOUSING PROGRAM POLICIES & PROCEDURES

- ***PURCHASE ASSISTANCE WITH AND WITHOUT REHABILITATION***
 - ***OWNER-OCCUPIED REHABILITATION***
 - ***DEMOLITION/RECONSTRUCTION***
 - ***DISASTER ASSISTANCE***
 - ***EMERGENCY REPAIR***
 - ***FORECLOSURE PREVENTION***

UPDATED: 05/27/2025

Council Adoption – 05/27/2025

TABLE OF CONTENTS

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	<u>PAGES:</u>
I. OBJECTIVE	3
II. DEFINITIONS & REFERENCES	3
III. DIRECTIVES	7
A. PROGRAM ADMINISTRATION	7
B. ELIGIBILITY	7
C. MARKETING	9
D. DETERMINATION OF WORK	10
E. OWNER CONTRIBUTION	12
F. CONTRACTOR PROCUREMENT	12
G. AGREEMENT AND LIEN	13
H. TEMPORARY RELOCATION	14
I. SWEAT EQUITY	15
J. PAYMENT PROCEDURE	15
K. CLOSE-OUT PROCEDURE	16
L. ASSISTING PREVIOUSLY ASSISTED UNITS & MAXIMUM ASSISTANCE LIMIT	16
M. SUBORDINATION OF CITY HOUSING ASSISTANCE LIENS	16
N. DEATH OR RELOCATION OF ELIGIBLE PROPERTY OWNERS	17
O. APPEALS	18
P. FOLLOW-UP	18
IV. PURCHASE ASSISTANCE PROGRAM POLICY	18
V. RESERVATION OF AUTHORITY	25

I. OBJECTIVE

This policy is designed to be utilized by the City of Cocoa's Community Services Department's Housing & Neighborhood Services Division staff, in implementation of federally funded *Community Development Block Grant* (CDBG) and the *HOME Investment Partnership Programs* (HOME) administered by the U.S. Department of Housing and Urban Development (HUD), and the State funded State Housing Initiatives Partnership (SHIP) Program, and any other grant funding the City may receive.

The intent of this policy is to clearly identify the specifications under which staff will implement programs that provide purchase assistance, housing rehabilitation, minor housing repair, and housing replacement (when it has been determined economically unfeasible to rehabilitate) assistance to owners occupied households at or below 80% of median income. Additionally, subsidy layering guidelines are identified within this policy. The Program will be implemented in partnership with private funding whenever available. The policy identifies authority levels for approval and eligibility restrictions, which exceed federal and state requirements.

II. DEFINITIONS & REFERENCES

- Section 420.907 et seq. Florida Statutes, State Housing Initiatives Partnership Act.
- Administrative Rule of the Florida Housing Finance Corporation, 67-37 et seq., State Housing Initiatives Partnership Program.
- Titles I and II of the Cranston-Gonzalez National Affordable Housing Act, Public Law 101-625, HOME Investment Partnerships Program.
- 24 CFR Part 92, Final Rule, HOME Investment Partnerships Program.
- 24 CFR Part 570, regulations, Community Development Block Grant Program.

Appeal Procedure: Established a procedure by which an applicant or client may make a complaint or appeal a decision made by the Community Services Department's Housing and Neighborhood Services Program Staff.

Applicant: A person or household who submits a signed and completed program application for assistance.

Assets: Assets are defined by Section 8 regulations, 24 CFR Part 813. Actual or "Imputed" Income from assets is included in projected annual income. The Liquid Assets owned by the household of an Eligible Property Owner are limited to a cash value equivalent to the HUD determined annual income for a household at or below 80% of median income, adjusted for family size. Liquid assets do not include retirement accounts.

Brevard County HOME Consortium: a legal entity created through an intergovernmental agreement between Brevard County and the Cities of Titusville, Cocoa, Melbourne, and Palm Bay.

CDBG: Community Development Block Grant funds are provided to the city by the U.S. Department of Housing & Urban Development (HUD).

Contractor: Licensed contractor who has met City Housing Program requirements to perform work on housing projects and has not been debarred from performing work on federally financed projects.

Deferred Loan: A zero-interest loan provided to qualified households which is forgiven without repayment upon satisfaction of all requirements of the household's agreement with the City of Cocoa.

Department: City of Cocoa Community Services Department's Housing & Neighborhood Services Division.

Discrimination : In accordance with the provisions of ss.760.20-760.37, it is unlawful to discriminate on the basis of race, color, religion, sex, national origin, age, handicap, or marital status in the award application process for eligible housing.

Eligible Property: A Single-Family property, occupied as a principal residence by an Eligible Household, including the following:

1. The Owner-occupied portion of a one to four family property.
2. A condominium or cooperative unit except for that attached units will not be eligible for replacement under this policy.
3. Any of the above moved to a new foundation constructed with HOME funds.
4. Halfway housing, dormitories (including farmworker dormitories), and all types of student housing, not just student dormitories are excluded from assistance. These types of residence constitute facilities or provide short-term or transitory housing.

The Property must be located within the City of Cocoa and have an after-rehabilitation value not to exceed 95% of the median purchase price for the area, as published by HUD (*Projects performed in conjunction with the Brevard County HOME Consortium are not restricted to the city limits of Cocoa but must be located within the boundaries of the Brevard County HOME Consortium Area*).

Eligible Property Owner: The household of the Eligible Property Owner must have a projected annual income at or below 80% of the median income level adjusted for family size. The Property

Owner must occupy the property as his or her Principal Residence. A household owns the property if they:

1. Have a fee simple title; or
2. Maintain a 99-year leasehold interest; or
3. Have ownership or membership in a cooperative; or
4. Have other forms of ownership approved by the City of Cocoa's Attorney's office.
5. Do not have any restrictions or encumbrances that would unduly restrict the good and marketable nature of ownership interest.

Fair Housing: Requirements for non-discrimination based on race, color, sex, religion, handicap, familial status or national origin in accordance with Federal Regulations found at 24 CFR 100-146 and State Law FS 750.

General Property Improvements: These improvements include rehabilitation items which are corrections of health and safety code violations but are improvements which place the unit in a readily maintainable condition for a useful life of at least five (5) years.

HOME: HOME Investment Partnership Program administered by the U.S. Department of Housing and Urban Development and disbursed through the Brevard County HOME Consortium.

HUD: United States Department of Housing and Urban Development.

Income: Projected annual income established in compliance with HOME, CDBG and SHIP regulations, specifically established at 24 CFR Part 813, the Section 8 regulations.

Income Limits: The City shall use the most current income limits issued for the program that is assisting the client (HUD or the State).

Liquid Asset: Liquid assets are those in possession of the household seeking assistance which can readily and promptly be turned into cash in a savings or checking account or a CD less than 3 years old. The following are excluded: retirement accounts, CDs over 3 years old, savings bonds, jewelry, guns, cameras, and equity in boats, RVs, and campers.

Minimum Investment: The City shall ensure that the minimum HOME investment (or whichever funding source is used) is met.

Minimum Property Standards: Minimum Property Standards establish certain minimum standards for buildings constructed under various HUD programs. The Standards include specific requirements for the durability of such items as doors, windows, painting and wall coverings, kitchen cabinets and carpeting. The standards ensure that the value of the home is not reduced by the deterioration of these components. (HUD Handbook 4910.1)

Ownership Interest: must be in good, marketable title, subject to only certain restrictions (such as HOME resale restrictions, mortgages, deeds of trust, or liens or instruments that secure debt on the property), provided these are approved by the City.

Principal Residence: The household must utilize the property as their primary residence, as established by eligibility for the State Department of Revenue Property Tax Homestead Exemption. The household may not vacate the unit for more than 120 non-consecutive days in any one calendar year for any reason, other than a hospital or nursing home stay.

Program: Housing & Neighborhood Services Division's Purchase Assistance, Owner-Occupied Rehabilitation, and Demolition/ Reconstruction Programs.

Reconstruction: permitted for units that were destroyed by disaster and are not standing on the site at the time of project commitment, if HOME funds are committed within 12 months of the date of destruction.

Rehabilitation: All units determined to require rehabilitation through housing grant funds shall meet, at a minimum, the Florida Building Code standards approved by the City of Cocoa and the Program's written rehabilitation standards. Properties must meet local codes, grant funding requirements, including zoning regulations. Each major system must have a remaining useful life of at least five (5) years. Major systems include structural support; roofing; cladding and weatherproofing (e.g. windows, doors, siding, gutters); plumbing; electrical; heating; ventilation; and air conditioning.

Replacement: All units that exceed \$90,000 in rehabilitation assistance may be determined to require replacement. In cases where it is determined that the housing structure cannot be reconstructed on the same site, the eligible applicant will receive assistance in obtaining a new site and the original property will be deeded to the City of Cocoa, or to an organization designated by the City (i.e., CHDO or Habitat for Humanity).

Standard Housing Code: Minimum standards for basic equipment and facilities for all buildings intended for occupancy by owner-occupants or renters shall be in accordance with the Florida Housing and Building Codes. This is also the minimum standard for rehabilitation performed with grant program funds.

Students:

The 2013 Rule specifically excludes certain students from participating independently in the HOME program. The HOME program adopts the Section 8 Housing Choice Voucher (HCV) program restrictions on student participation found at 24 CFR 5.612, which exclude any student that:

1. Is enrolled in a higher education institution
2. Is under age 24
3. Is not a veteran of the U.S. military
4. Is not married
5. Does not have a dependent child(ren)
6. Is not a person with disabilities

7. Is not individually eligible, or is it has parents who, individually or jointly, are not eligible based on income.

Excluded students are prohibited from receiving any type of HOME assistance, including renting HOME-assisted rental units, receiving HOME tenant-based rental assistance, or otherwise participating in the HOME program independent of their low- or very low-income families.

Subordination: The process of placing, ranking, or positioning a mortgage as secondary to the primary mortgage.

Uniform Physical Conditions Standards (UPCS): uniform national standards established by HUD for housing that is decent, safe, sanitary, and in good repair, pursuant to 24 CFR 5.703. These standards are newly adopted for HOME rehabilitation, acquisition, and tenant-based rental assistance projects in accordance with revisions made to the property standards requirements at §92.251.

III. DIRECTIVES

A. PROGRAM ADMINISTRATION:

The City of Cocoa's Community Services Department's Housing & Neighborhood Services Division shall be responsible for the administration of the Purchase Assistance, Owner-Occupied Rehabilitation, Demolition/Reconstruction, Disaster Assistance, Emergency Repair and Foreclosure Prevention Programs.

B. ELIGIBILITY:

1. Applications shall only be received from homeowners that reside within the city limits of Cocoa. Homeowners whose property lies outside the City of Cocoa will not be accepted. These homeowners will be referred to the appropriate office within that municipality or county.
2. Applications from owners of trailers, mobile homes and other manufactured housing will not be accepted for this Program except when the unit is eligible for replacement with a site-built home, or the city receives a grant which specifically allows assistance with such units. Applicants must submit a signed and dated application (provided by the Housing and Neighborhood Services Division) verification of ownership of an eligible property, verification of current homeowners' insurance, verification of payment of all taxes, verification of current mortgage statement (if any) and utilities, and verification of income and assets in a format approved by the City in accordance with the regulations of the grant funding. Completed applications are reviewed by staff in order of date received.
3. In the event a County, State, or Federal Disaster declaration is made, applicants who need assistance due to damage or destruction incurred during the disaster event will be given precedence over other applications; and

4. If property insurance proceeds or disaster assistance (FEMA, SBA) is received, (insurance/disaster) proceeds must first be applied towards the repair/rehabilitation of the property before the City provides any form of assistance. A statement of benefits along with proof of repairs must be provided.
5. Applicant must be a homeowner named on a Warranty Deed, Quit Claim Deed or other recorded document which the City Attorney's office has determined demonstrates a valid ownership interest.
6. The Emergency Repair Program is designed to correct, repair or replace essential system and/or critical structural problems. Maximum assistance is \$20,000.
7. Foreclosure Prevention will help those having trouble making mortgage payments for one (1) to three (3) months with a maximum grant award of \$5,000.
8. The assistance level is determined by income level as listed in Section III.D.5.
9. If a property is owned by more than one individual, the residency of the co-owner(s) (spouse, former spouse, family member, friend, etc.) must be verified.
 - a) If the co-owner(s) reside in the household, then the co-owner(s) income must be included in the eligibility determination.
 - b) If the co-owner has documented his/her residence at another location, then the co-owner(s) income is not calculated into the household income. However, he/she must sign the Agreement with the City and the mortgage lien.

It is important to note that the State of Florida does not have a "legal separation" provision. As a result, if an applicant is still married, it doesn't matter if he or she does not still reside in the property with their spouse.

10. Applicants who have been determined to be Eligible Property Owners are served on a first qualified, first served basis, based on the date of determination of eligibility after review of the completed application. Applicants may be required to re-verify income and residence, after a period determined by the grant funding, whichever is stricter. In addition, the City reserves the right to request additional or updated information at any time during participation in the program. If there is an income, elderly or special needs preference, those preferences will be shown priority in assistance.
11. Applicants may not be given assistance if they have demonstrated their intention to sell or transfer their property within the next year; have a judgment, tax lien or other government lien on their property; or are determined to not have a good ownership interest through the underwriting review conducted by Program staff. Additionally, applicants may not be given assistance if they are more than one (1) month behind on their mortgage payment or utility payments.

12. To complete determination of applicant eligibility, the Program staff will request a title search (Ownership & Encumbrance Report) of the proposed property to determine ownership interest and eligibility of the property.
13. An underwriting review is conducted to ensure that City administered funds are utilized in a manner that ensures that financial accountability standards are met. An Applicant whose property has liens recorded against it which in total are more than the Property Appraiser's assessment of value of the property for the most recent assessment year shall be restricted to assistance or may be deemed ineligible and not assisted at all.
14. If an Applicant is determined to have impediments (e.g. liens, judgments, water liens, code enforcement liens/issues) to receiving assistance through these City Programs, staff will provide guidance and counseling to the Applicant to remove these impediments. Applicants are not Eligible Property Owners until all impediments have been removed or, alternatively, the level of assistance may be restricted due to the severity of the impediment(s). In these instances, limited assistance may be provided which eliminates public health or severe code deficiencies.
15. Applicants who are determined to be ineligible for assistance or who decline assistance through the Program must first show proof that their circumstances have changed to warrant a review and complete a new application. They will be considered new applicants at that point.
16. All properties assisted with federal, or state funds may be subject to an environmental review, lead based paint testing and abatement, and/or asbestos testing.
17. If it is determined that the property lies in a flood zone, the owner will be asked to demonstrate that there is flood insurance carried on the property until it is closed out of the project.
18. All housing rehab applicants must have homeowners' insurance. If the home is uninsurable due to code issues, the applicant must provide documentation that homeowners insurance shall be obtained upon completion of rehab assistance.
19. Ineligible Applicants will be counseled on the City Approved Appeal Procedure.
20. Assistance shall not be provided to any property owner with an active code enforcement lien. All code liens must be satisfied prior to housing assistance.
21. Items in the project case file shall consist of underwriting information, applicant information, legal documents, property information, and construction management.

22. Items in case file shall consist of project documentation, participant eligibility, property eligibility, property standards, eligible costs, contractor selection, construction management, loan processing and servicing, and on-site inspection.
23. The timeframe for income source documentation shall be 2 months for HOME assisted activities.

C. MARKETING:

- I. The City of Cocoa shall abide by the Brevard County HOME Consortium Affirmative Marketing Policy.
- II. The City shall take affirmative marketing steps to provide information and otherwise attract eligible people from all racial, ethnic, and gender groups in the housing market area. A wide range of marketing strategies will be implemented to ensure that eligible persons have a reasonable opportunity to be informed about the program opportunities being carried out by the City of Cocoa and the Brevard County HOME Consortium.
- III. On an annual basis, the City will review its marketing efforts to assess fair housing outreach and comply with fair housing regulations.

D. DETERMINATION OF WORK/OWNER-OCCUPIED REHABILITATION:

- I. Upon determination of property eligibility, Program staff will inspect the unit utilizing the Florida Building Code for existing housing adopted by the Cocoa City Council and Department approved rehabilitation standards and will prepare work specifications and a cost estimate.
- II. Rehabilitation Standards must be adequate to extend the useful life of the property for at least five (5) years, preferably longer, to protect the security of the rehabilitation deferred payment loan. Department approved rehabilitation standards should include, at a minimum:
 - a) Correction of all violations of the Florida Building Code.
 - b) Correction of observable and identifiable problems which would lead to the violation of the Florida Building Code within the lien period.
 - c) Incidental repairs related to work performed under 2.a) or b) of this Section. (e.g. repair and painting of walls due to roof leaks)
 - d) Addition of energy efficiency improvements which decrease the operating cost of the unit.
 - e) All replacement materials will meet FHA Minimum Property Standards and applicable industry standards.

- f) Household systems and equipment shall be replaced on a unit for unit basis. Determination shall be based on the need and safety of the household, including size of household and handicapped status of household member(s).
 - g) Barrier free items, such as, building/installing wheelchair ramps, grab bars, accessible showers, handicap toilets, sinks/faucets and widening of doors.
 - h) In accordance with Section 420.9075(3)(d), F.S, the City of Cocoa shall expend SHIP funds in a manner that encourages reduced long-term costs relating to maintenance, utilities, and/or insurance. Innovative design, green building principles, storm-resistant construction, or other elements will be incorporated in all housing strategies both for sustainability and to promote greater affordability.
- III. All units assisted with federal funds will be evaluated for the potential presence of lead-based paint and asbestos. Owners will be noticed on the hazards of lead-based paints. The treatment of defective paint surfaces is required.
- IV. Property Owners who are determined to be eligible for assistance shall receive financial assistance for the repair, rehabilitation or replacement of their home in accordance with the following schedule, under the requirements defined in Paragraph 6 of this section:

INCOME LEVEL ADJUSTED BY FAMILY SIZE*	MAXIMUM ASSISTANCE
0 – 50% Median Income	\$40,000 - Homebuyer
51 – 80% Median Income	\$35,000 - Homebuyer
80 – 120%	\$30,000 - Homebuyer
0 – 80% Median Income	\$74,999 – Rehabilitation \$20,000 – Minor Repairs \$250,000 – Replacement

**The median family income is based on census data on family incomes updated using a combination of bureau of labor statistic earnings and employment data, Census P-60 median family income data, and Census American Community Survey data on changes of state median family incomes.*

- 6. The following requirements are placed upon the determination of Maximum Assistance:
 - a) The level of award is supported by the average age of the City's current housing stock, increase in construction materials, and the increase in replacement costs.
- 6. Upon completion of the work specifications by Program staff, the Owner will review the proposed work specifications and consent to the specifications in writing. Any issues

relating to the proposed work will be resolved before proceeding to Contractor procurement.

7. If a property is determined to require more rehabilitation than the funds available through the Program, the owner will be notified. The owner will be provided with the opportunity to secure private financing for necessary rehabilitation/replacement whose cost is more than available funds. If additional funding is not identified, the property will be assisted to the extent possible with the available financial resources or in the case of rehab put on a replacement waiting list until funds are available.
9. Occupancy and special needs of replacement units:
 1. All people living in the household at the time of application shall be included when computing family size and income.
 2. Occupancy standards shall be consistent with the Florida Building Code approved by the Cocoa City Council and local zoning requirements. The existing number of bedrooms shall be replaced unless determined to be inadequate for the size of the household.

REPLACEMENT HOUSING The following requirements apply to units which are demolished and replaced through this Program. Replacement housing can be carried out by demolishing the existing structure and constructing a new home on the same site or by having the homeowner deed the existing property to a Community Housing Development Organization (CHDO) or a non-profit organization that owns property and is willing to, with an agreement with the City, exchange properties and construct a replacement home on a different lot within the City:

- a) Unless the existing mortgage holder agrees to the demolition and replacement, the property must be free of encumbrance and mortgages.
- b) \$250,000 is the maximum amount allotted per unit for a replacement house, this includes construction costs and eligible non-construction costs. The eligible property owner will be required to obtain other financing (or funds) for the remainder of the cost to construct, if needed.
- c) The Building Valuation Data published annually by the Florida Building Code as adjusted for the region which includes Brevard County will be utilized to determine reasonable cost of construction by the Florida Building Code plus 5%, which will serve as the maximum cost allowable under this Program for construction of the new unit.
- d) Applicants may not have a vest interest in any other property, which could be used as their primary residency.

The City has the right to replace homes based on the severity of the condition of the home and the imminent danger of the structure to the people living within the unit.

E. OWNER CONTRIBUTION:

If the recipient receives FEMA assistance or insurance proceeds, those funds must go towards the rehabilitation or reconstruction of their home first.

Households with more than \$4,000 in liquid assets must apply those additional assets beyond the \$4,000 towards the rehabilitation or reconstruction of their home. Liquid assets do not include retirement accounts.

F. CONTRACTOR PROCUREMENT:

All Local, State and Federal procurement policies must be adhered to during the program's Contractor selection process. The City's local procurement policy is the Purchasing Manual and the Financial Operations Manual (FOM). The FOM is adhered to for all housing related procurements.

G. AGREEMENT AND LIEN:

1. Upon receipt of an approved quote or bid, the Eligible Property Owner will be requested to sign an agreement which stipulates restrictions on the transfer or resale of the property, includes the scope of work to be performed; and identifies the City as a party to the Agreement as the Owner's agent to contract for and carry out the agreed upon repairs and improvements. All Eligible Property Owners must demonstrate adequate insurance coverage, including flood insurance, if so required, for the duration of the construction period. Eligible Property Owners are counseled on the importance of maintaining coverage after construction is completed.
2. Agreements will be made in accordance with the City's Financial Operations Manual (FOM).
3. Assistance will be provided in the form of a deferred payment loan, secured by a mortgage lien recorded against the property. The mortgage shall not incur interest, nor shall payment be required if the property continues to be used as the Principal Residence.
4. The affordability period is determined by the grant or the following (whichever is stricter):

Minor Repairs less than \$25,000	5-year lien forgivable at 20 percent per year
Housing Rehab \$25,001 - \$49,999	10-year lien forgivable at 10 percent per year
Housing Rehab \$50,000 - \$75,000	20-year lien forgivable at 5 percent per year
Housing Replacement	20-year lien forgivable at 5 percent per year

Homebuyer Assistance	10 year lien forgivable at 10 percent per year
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5. If HOME funds are used, HOME affordability rules apply over the above affordability periods. The HOME affordability period starts from the date that the activity is closed in IDIS.
6. The lien recorded against participant’s properties will specifically state that transfer of ownership “shall constitute a default and the balance of the Note unforgiven shall become due and payable in full.” In addition, the Note shall specify that “the remaining balance will accrue interest at 3% annum at the time of default. If the City does not demand payment upon default, such action does not constitute a waiver.” The mortgage amount is depreciated on an annual basis if the following conditions occur:
 - The homeowner continues to reside in the unit in accordance with the terms of the Agreement; and
 - The eligible homeowner provides proof that all insurance, mortgage payments and taxes are current; and
 - The property is free of all code violations.
 - The property has not been rented out.
 - Deployment does not constitute a default.

On, and only on, each anniversary date of the execution of the mortgage, the value of one year’s payment will be deducted (if applicable) from the balance owed when all these conditions are satisfied.

7. The deferred mortgage lien is recorded prior to commencement of the construction project.
8. Minor housing grants, used for handicapped accessibility or retrofit improvements, may be disbursed as a grant.
8. Any post-construction agreements or warranties are between the Homeowner and the Contractor and should only be completed after all the work is completed under the City’s Agreement.
9. Homeowners are required to pay for the cost of the satisfaction of mortgage upon expiration of the lien.

H. TEMPORARY RELOCATION:

The Uniform Act, passed by Congress in 1970, is a federal law that establishes minimum standards for federally funded programs and projects that require the acquisition of real property (real estate) or displace persons from their homes. The Uniform Act's protections and assistance apply to the acquisition, rehabilitation, or demolition of real property for federal or federally funded projects. In the case of minor repairs, housing rehabilitation, and homebuyer assistance, it is anticipated that temporary relocation is not necessary. Relocation assistance provided by the City to Owners, when determined to be necessary by Program staff, shall be in accordance with the URA.

- 49 CFR Part 24 is the government-wide regulation that implements the URA.
- HUD Handbook 1378 provides HUD policy and guidance on implementing the URA and 49 CFR Part 24 for HUD funded programs and projects.

I. SWEAT EQUITY:

To prevent costly delays and interruptions to the Contractor's schedule, an owner (including relatives and/or friends) may not perform work on the Eligible Property during the construction period. Should an Eligible Owner wish to make some improvements to the Property, which is outside the scope of the work write-up, those improvements must be performed prior to the Contractor solicitation, or after the job has been completed and final payment has been made.

In addition, the homeowner may not change the scope of services with a Contractor by offering to complete a certain task(s) in exchange for other work to be done. If this occurs, it will constitute a violation of the Construction Contract and could result in the Contract being terminated. In addition, any monies expended would then become the responsibility of the Contractor and/or homeowner.

J. PAYMENT PROCEDURE:

1. Funds are secured by a Purchase Order prior to the start of construction, as stipulated in the agreement. Funds are disbursed in accordance with the disbursement schedule, (upon written request of the Contractor, and authorization of the Owner, Housing Program Manager and Deputy Director of Community Services Department).
2. Change orders shall be approved by the City and the property owner. The Change Order shall be added or deducted from the purchase order and all documents will be amended accordingly.
3. Upon receipt of an invoice from the Contractor, both the owner, Housing Program Manager, and the City of Cocoa Building Inspector shall inspect work for quality and completion.

4. Payment will be issued to the Contractor within 30 days for such an amount as the City determines to be properly due. If payment is withheld, the City will state in writing, within 5 days, cause for withholding a payment. The City reserves the right to withhold payment for defective work and/or pay subcontractors directly.
5. The City, based on reasonable and verifiable evidence, may withhold from any payment, such amounts as may be necessary for the protection of the Owner against loss caused by:
 - a) Defective work not remedied.
 - b) Third party claims filed.
 - c) Failure of the Contractor to make payments to Subcontractors.
 - d) Failure to pay for material, equipment or labor; and/or
 - e) Failure to perform the work in accordance with the Agreement documents or to provide a construction schedule as required by the Agreement.
6. Contractors contracted for rehabilitation/replacement work in which the City's funding commitment exceeds \$15,000 will have ten percent (10%) of their progress payment requests subject to retainage. The retainment will not be released until all work is completed, all necessary paperwork is received, and the City closes out the project. If there is a dispute over quality or completion of work, the retainage shall be held until resolution occurs.
7. Final payment shall not made until the Contractor provides Release(s) of Liens, copies of permits to the Department, all inspections are completed, and copies of the Project Warranty and the Close-out form are submitted.
8. Any incidence of inadequate performance by a Contractor will be documented in accordance with City policy and procedure. Contractors may be suspended or debarred from further participation in the City's Housing Programs.

K. CLOSE-OUT PROCEDURE:

Assistance is completed upon final acceptance by the Owner of completed work and Program authorization for final payment.

L. ASSISTING PREVIOUSLY ASSISTED UNITS & MAXIMUM ASSISTANCE LIMIT:

Households which have previously been assisted through the City's housing programs shall be limited to receiving one additional instance of minor repairs. These repairs shall be limited to health/safety repairs whose cost shall be no more than \$20,000 if the household has no need for handicap accessibility. If a client is elderly or has need of handicap accessibility, assistance will be up to \$20,000 for handicap accessibility to include (but not limited to) ramps, grab bars, and walk-in showers.

Households which have previously been assisted with HOME funds may be assisted during the first year of project completion. After the first year, no additional HOME funds will be provided for a HOME-assisted project during the relevant period of affordability.

M. SUBORDINATION OF CITY HOUSING ASSISTANCE LIENS:

1. An Owner requesting a subordination of the City's lien must make this request in writing, indicating the reason for the request.
2. Only subordination requests which increase the affordability of the housing unit, or assist a household with medical expenses, not associated with consumer debt, shall be considered.
3. As indicated in Resolution 97-18, The City Manager or Designee must authorize any subordination requested. Staff will identify for the City Manager or Designee the status of the City's equity position and the equity position if the subordination request is approved.
4. The Owner may be charged any recording fees necessary for the subordination.

N. DEATH OR RELOCATION OF ELIGIBLE PROPERTY OWNERS:

Upon the death or relocation of the Eligible Property Owner during the mortgage period, the mortgage balance shall become due in full. The City of Cocoa will require repayment of the mortgage balance at the time of refinancing of the property. If no refinancing of the property occurs at the time of death or relocation of the Owner, the mortgage balance shall cease to depreciate and will be frozen at the balance in place at the date of death or relocation. The lien will continue against the property until repayment is made or the lien period is concluded. At any time during the lien period, the Owner, or heir, shall have the right to repay the current balance without penalty.

In cases wherein death or relocation of the Eligible Property Owner has occurred, the City will notify the owner or surviving heir(s) of the following options:

OPTION I. Housing Unit Remains an Affordable Housing Unit:

The City will allow the property to continue to be used as if both of the following conditions are met:

- The individual(s) who inherits the home wishes to reside in the home as their primary (Homestead Exemption) residence; and
- The individual(s) are willing to meet all program requirements, including but not limited to, certification of their income/assets and assuming responsibility for the City's lien.

Option I satisfies the City's goal of promoting decent and safe affordable housing units while eliminating slum and blight. However, if the heir is unable or unwilling to meet the requirements of Option I, the City will pursue Option II.

Option I. is not offered to the owner or surviving heir(s) of a replacement home. Owners or surviving heir(s) of a replacement will be notified of Option II and Option III.

OPTION II. Satisfaction of the City's Lien:

The City will request that the heir satisfy the remaining balance of the lien. This will be accomplished through either of the following:

- The individual(s) who inherits the property pays the balance due; or
- The individual(s) who inherits the home obtains a new lien against the property in their name satisfying the City's lien; or
- The individual(s) who inherits the property sells the home, thereby satisfying the City's lien. The remaining proceeds from the sale of the home once the City's lien is satisfied would belong to the heir(s).

Option II is still in line with the City's goal of promoting decent and safe affordable housing units while eliminating slum and blight because the recaptured funds are then used to help other projects. However, if the heir is unable or unwilling to pursue either of the strategies in Option II, the City will pursue Option III.

OPTION III. Declare the Notes in Default & Bring Foreclosure Action:

If Option I or II cannot be satisfied, the City will declare the notes in default and bring foreclosure action on the property. Option III is still in line with the City's goal of promoting decent and safe affordable housing because the home will then be used to provide housing for another qualified applicant.

O. APPEALS:

Any Applicant or client wishing to make a complaint or appeal a decision made by the Program shall be given a copy of the City Approved Appeal Procedure.

P. FOLLOW-UP:

Periodic follow-up contacts with the property owner(s) at 30-day, 60-day and 12-month intervals are scheduled by the Program Staff to ensure compliance with program guidelines and ascertain additional counseling needs. In addition, on an annual basis City staff will request updated copies of the homeowner's insurance, taxes and mortgage (if applicable) statements to ensure that the are current.

IV. HOME PURCHASE ASSISTANCE PROGRAM POLICY

I. PURPOSE

The purpose of this document is to establish the policies of the City of Cocoa's Purchase Assistance Program (PAP) to promote fairness and equitable treatment of applicants and recipients of program assistance. The scope of the program is to provide purchase, closing costs, and rehabilitation assistance to very low-, low- and moderate-income buyers purchasing housing units in the City limits of Cocoa. Policies are written in accordance with the enabling legislation and implementing regulations of the State Housing Initiatives Partnership Program (SHIP), administered by the Florida Housing Finance Corporation (FHFC) and the HOME Investment Partnership Program (HOME), a housing grant of the U.S. Department of Housing and Urban Development (HUD).

II. PROGRAM GOALS

In accordance with the needs identified, the priorities established, and the objectives and strategies outlined in the City's Consolidated Plan, annual Action Plan, SHIP Local Housing Assistance Plan, and the Housing Element of the City's Comprehensive Plan, and in accordance with the 2013 HOME Final Rule, the goals of the Purchase Assistance Program are:

- *the provision of affordable housing to low-income households; and*
- *the preservation of existing housing stock.*

III. REFERENCES

- Section 420.907 et. seq. Florida Statutes, *State Housing Initiatives Partnership Act*.
- Administrative Rule of the Florida Housing Finance Corporation, 67-37 et. seq., *State Housing Initiatives Partnership Program*.
- 24 CFR Part 92, 2013 HOME Final Rule, *US Department of Housing and Urban Development*.

IV. DEFINITIONS

Affordable means that monthly mortgage payments, including taxes and insurance do not exceed 30% of that amount which represents the percentage of the median annual gross income for the household's income group (e.g. very low- or low-income group). It is not the intent to limit an individual household's ability to devote more than 30% of its income to housing, and housing for which a household devotes more than 30% of its income shall be deemed affordable if the first institutional mortgage lender is satisfied that the household can afford mortgage payments more than the 30% benchmark.

Applicant means a person or household who submits a signed and completed Purchase Assistance Program application for assistance.

Contributions/Donations means the Applicant receives a contribution or donation towards the Purchase Assistance Program (First Time Home Buyer Program), from family

or friends, the City of Cocoa has limited the amount to \$5,000. The contribution/donation will be towards the down payment.

CDBG means Community Development Block Grant.

Department means the Housing and Community Services Department of the City of Cocoa.

FHFC means the Florida Housing Finance Corporation.

General Property Improvements mean those improvements which are not corrections of health and safety violations, but which place the unit in a readily maintainable condition and conform it to other standard units in the local housing market.

HOME means HOME Investment Partnership Program.

Homeownership defined in §92.2 and is revised to clarify that contract for deed, installment contracts and land sales contracts are specifically excluded.

Low-income means that the household income is 51% to 80% of the median income adjusted for family size for the Melbourne-Titusville-Palm Bay (Brevard) MSA.

Melbourne-Titusville-Palm Bay (Brevard) MSA means the Metropolitan Statistical Area used for demographic data purposes.

Moderate-income means that the household income is 81% to 120% of the median income adjusted for family size for the Melbourne-Titusville-Palm Bay (Brevard) MSA.

Principal Residence means the household must utilize the property as their primary residence, as established by eligibility for the State Department of Revenue Property Tax Homestead Exemption.

Rehabilitation means repairs or improvements that are needed for safe or sanitary habitation, correction of substantial code-violations, or the creation of additional living space in accordance with the Florida Building Code.

SHIP means the State Housing Initiatives Partnership Program.

Very low-income means that the household income is below or equal to 50% of the median income adjusted for family size for the Melbourne-Titusville-Palm Bay (Brevard) MSA.

V. ELIGIBILITY

1. Household Eligibility

- a. The applicant's household income may not exceed 120% and 80% of the median income adjusted for family size for the Melbourne-Titusville-Palm Bay (Brevard) MSA as determined annually by HUD when using SHIP and HOME or CDBG funds respectively.
- b. Households with more than \$4,000 in liquid assets within a savings or checking account must use the difference towards the purchase of the home.
- c. The applicant and/or co applicant must have received City-approved homebuyer education and one-on-one housing counseling.
- d. The applicant must be able to obtain a 30-year first mortgage through a non-predatory lending institution.
- e. The applicant must be able to provide proof of responsible lending and sustainability (e.g., no predatory loans) in accordance with §92.254(f).

2. Unit Eligibility

- a. The unit must be in the city limits of Cocoa.
- b. The purchase price of the unit may not exceed 90% and 95% of the median area purchase price for existing homes or new construction in the Melbourne-Titusville-Palm Bay (Brevard) MSA as established by the United States Department of Treasury when using SHIP or HOME funds respectively.
- c. The assistance may not be used to purchase a mobile or modular home.
- d. Existing units may have a swimming pool or similar amenities.
- e. Reasonable closing fees may be charged. However, all fees shall be reviewed by the Housing Program Manager and approved.
- f. Eligible forms of homeownership when using HOME funds:
 - Fee simple title in a 1- to 4- unit dwelling or condominium unit or at least a 99-year leasehold interest, except:
 - Housing located in insular areas must have a ground lease for at least 40 years
 - Housing located on an Indian trust or restricted Indian land, for at least 50 years
 - Housing located on land owned by a community land trust, for at least 50 years
 - Manufactured housing on a ground lease that is at least equal to the applicable affordability period §92.251(e).

3. Levels of Assistance

The actual assistance will be the *minimum* amount needed to get the applicant into an affordable unit.

- a. The maximum assistance for households with incomes at or below 50% of the median is \$40,000.
- b. The maximum assistance for households with incomes at 51% - 80% of median is \$35,000.
- c. The maximum assistance for households with incomes at 80% - 120% of median is \$30,000.
- d. When used to purchase an existing home requiring rehabilitation, \$5,000 is available for any combination of down payment, closing costs and rehabilitation. Rehabilitation shall

be completed in accordance with the Florida Building Code. Any rehab completed shall have a minimum useful life of at least five (5) years for major systems. Work write-ups and written cost estimates shall be reviewed and approved by the City. The City shall determine if the costs are reasonable, and plans and specifications follow the City's written standards.

To prevent over subsidization of the homeowner or the excessive closing costs charged by the lender, the City reserves the right to refuse assistance. In such cases, the homebuyer will be asked to renegotiate the loan or to seek another lender.

3. Other Loan Terms

The assistance will be in the form of a deferred payment loan, secured by a zero percent (0%) interest mortgage in favor of the City of Cocoa and forgiven at the end of the term. In addition to the affordability period, the following terms will apply to each loan:

1. Death of the mortgagor: The passing of title due to the death of the mortgagor to other than a spouse or co-mortgagor holding an interest in the property as a co-tenant is deemed a conveyance.
2. Leasing: Leasing the premises for any period is deemed a conveyance.
3. Continued Occupancy: The mortgagor must reside in the assisted property as his/her principal residence for the life of the loan. If for any reason, other than a hospital or nursing home stay, the mortgagor vacates the premises for more than a period of 120 days in any one calendar year, such vacation shall constitute default.
4. Interest: There is zero interest in the loan except in the case of default, at which time the remaining balance shall accrue interest at five percent (5%) per annum.
5. Maintenance: The mortgagor must keep the property maintained and in good repair according to the Florida Building Code and all applicable codes of the City of Cocoa.
6. The homeowner will be required to pay for the cost of the satisfaction of mortgage upon expiration of the lien term.

4. Subordination of Liens

Subordination of liens will be considered for the following reasons only:

- Only subordination request which increases the affordability of the housing unit, decreases the term of the loan, provides a lower interest rate or not associated with consumer debt.
- Each request shall be reviewed on a case-by-case basis. The Housing and Neighborhood Services Manager has the right to deny or agree to subordination.

5. Affirmative Marketing

It shall be the policy of the City of Cocoa to affirmatively market the Purchase Assistance Program in such a way as to promote fair housing in accordance with the applicable marketing requirements of the SHIP Program regulations and the HOME rules. The City adheres to the Brevard County Affirmative Marketing Policy.

6. Selection Criteria

All assistance is subject to the availability of funds. Assistance will be on a first come, first ready basis.

Applicants cannot own a home within three (3) years of closing and any net proceeds from the sale of a previous home should be applied to the purchase of the new home prior to receiving down payment assistance.

Applicants that have previously received state or federal down payment assistance are not eligible for assistance for three (3) years.

7. Owner Contribution

The applicant must make a minimum cash contribution towards the purchase of the home.

- Households with incomes at or below 50% of the median must contribute a minimum \$500.
- Households with incomes at 51-80% of median must contribute a minimum of \$750.
- Households with incomes at 81-120% of the median income must contribute a minimum of \$1,000.
- Households with more than \$4,000 in liquid assets in a savings or checking account must apply those additional assets beyond the \$4,000 towards the purchase of their home.

8. Notification of Award

An award letter, also called a letter of commitment, will be issued within 30 days after the income has been certified. The award letter will be good for up to six months. Clients may be subject to a recertification if more than 120 days have passed, and the client has not received assistance. This will be determined on a case-by-case basis.

9. Purchase Assistance Program

If the City shall desire to have a sub-recipient/non-profit administer the Purchase Assistance Program, the selection process shall be done according to the City's Financial Operations Manual as it relates to procurement. The sub-recipient/non-profit will administer the program based on the City of Cocoa's Housing Policies and Procedures.

10. Housing Counseling/Homebuyer Education

The Housing Counseling/Homebuyer Education Program shall always be administered as follows:

(a) DESCRIPTION OF WORK TO BE PERFORMED

The Housing Counseling/Homebuyer Education Program shall be implemented as a turnkey operation. The agency administering the program shall market the program, schedule and make all arrangements (sites, speakers, materials, etc.) for homebuyer

education classes, and provide housing counseling on an individual basis to each homebuyer. The agency must also provide proof of attendance by homebuyers.

A. LEVELS OF ACCOMPLISHMENT

Activity #1 Housing Counseling for individual homebuyers.

Performance standards by which success will be measured include, but are not limited to, the following:

- (a) Keeping accurate time sheet records of housing counseling staff, demonstrating actual time spent on housing counseling activities.
- (b) Housing counseling must be carried out by a certified housing counselor (as defined by the National Federation of Housing Counselors, or its equivalent).
- (c) File evidence of housing counseling notes.
- (d) Housing counseling shall be provided in accordance with §92.254(a)(3) when using HOME funds.

Activity #2 Homebuyer Education Classes

Performance standards by which success will be measured include, but are not limited to, the following:

- (a) Classes must follow, at a minimum, the Fannie Mae recommended homebuyer education course outline.
- (b) Classes must include a Fair Housing Law education component.
- (c) File evidence of classes, including, but not limited to copies of agendas, sign-in sheets, and class evaluations by participants.

11. SUSTAINABLE HOMEOWNERSHIP UNDERWRITING

The City shall have written underwriting standards that evaluate the homebuyer in accordance with §92.254(f) regarding:

- Housing debt and overall debt
- Monthly expenses of the family
- Assets available to acquire housing
- Financial resources available to sustain housing

12. SPECIFIC HOME REQUIREMENTS

- HOME statute requires initial purchase price/after rehab value not to exceed 95% of area median purchase price in accordance with §92.254(s)(2)(iii).
- City sponsored homebuyer units which remain unsold after six (6) months after construction shall be converted to rental units, for the rental affordability period, or HOME funds must be repaid. A ratified sales contract is sufficient to demonstrate sales. Units can become lease-purchase only if: the City has an established lease-purchase program, and an Agreement with the homebuyer is executed before the deadline.

- In accordance with §92.254(f) the City shall ensure that loan terms of any loans to which HOME funds are subordinated are reasonable and sustainable.
- If a non-governmental lender is providing both first mortgage financing and HOME assistance (as a subrecipient or contractor), the City shall verify income eligibility and inspect housing for compliance with applicable property standards.
- For HOME funds, lenders cannot charge fees.
- The City shall follow the resale and recapture requirements of §92.254(a)(5) within the Brevard County HOME Consortium Consolidated Plan and annual Action Plans. The resale provisions clearly define “fair return” and “reasonable range of low-income homebuyers.”
- In accordance with §92.251(c) the City shall determine assisted housing is decent, safe, sanitary and in good repair. All assisted housing shall meet the Florida Building Code and shall not contain deficiencies proscribed by HUD based on inspectable items and areas pursuant to 24 CFR 5.702 (UPCS Checklist).
- The City shall inspect housing and document compliance no earlier than 90 days before the commitment of HOME funds.
- The City shall rehab housing that fails to meet these property standards or HOME funds cannot be used to acquire it, in accordance with §92.251(c).
- A contract for deed (also known as an installment contract or land sales contract) is *not* an eligible form of homeownership.

13. Complaints and Appeals

Any complaint or appeal shall be submitted by the applicant in written form within 5 business days from notification of funding recommendation for disposition by the Housing Program Manager who shall respond in writing within 5 days of receipt of same, where practicable.

The Housing Program Manager's reply shall indicate the avenue of appeal which shall be to the Deputy Community Services Director. The Deputy Community Services Director will make the final determination unless the determination warrants a legal opinion, in which case, the final determination will be made by the City Attorney.

V. RESERVATION OF AUTHORITY

The authority to issue and/or revise Policies is reserved by the Cocoa City Council.

RESOLUTION NO. 2025-030

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COCOA (Local Government) FLORIDA APPROVING THE LOCAL HOUSING ASSISTANCE PLAN AS REQUIRED BY THE STATE HOUSING INITIATIVES PARTNERSHIP PROGRAM ACT, SUBSECTIONS 420.907-420.9079, FLORIDA STATUTES; AND RULE CHAPTER 67-37, FLORIDA ADMINISTRATIVE CODE; AUTHORIZING AND DIRECTING THE MAYOR TO EXECUTE ANY NECESSARY DOCUMENTS AND CERTIFICATIONS NEEDED BY THE STATE; AUTHORIZING THE SUBMISSION OF THE LOCAL HOUSING ASSISTANCE PLAN FOR REVIEW AND APPROVAL BY THE FLORIDA HOUSING FINANCE CORPORATION; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the State of Florida enacted the William E. Sadowski Affordable Housing Act, Chapter 92-317 of Florida Sessions Laws, allocating a portion of documentary stamp taxes on deeds to local governments for the development and maintenance of affordable housing; and

WHEREAS, the State Housing Initiatives Partnership (SHIP) Act, ss. 420.907-420.9079, Florida Statutes (1992), and Rule Chapter 67-37, Florida Administrative Code, requires local governments to develop a one- to three-year Local Housing Assistance Plan outlining how funds will be used; and

WHEREAS, the SHIP Act requires local governments to establish the maximum SHIP funds allowable for each strategy; and

WHEREAS, the SHIP Act further requires local governments to establish an average area purchase price for new and existing housing benefiting from awards made pursuant to the Act; The methodology and purchase prices used are defined in the attached Local Housing Assistance Plan; and

WHEREAS, as required by *section 420.9075, F.S.* It is found that 5 percent of the local housing distribution plus 5 percent of program income is insufficient to adequately pay the necessary costs of administering the local housing assistance plan. The cost of administering the program may not exceed 10 percent of the local housing distribution plus 5% of program income deposited into the trust fund, except that small counties, as defined in s. 120.52(19), and eligible municipalities receiving a local housing distribution of up to \$350,000 may use up to 10 percent of program income for administrative costs.

WHEREAS, the Economic and Community Development Department has prepared a three-year Local Housing Assistance Plan for submission to the Florida Housing Finance Corporation; and

WHEREAS, the City Council finds that it is in the best interest of the public for the City of Cocoa (local government) to submit the Local Housing Assistance Plan for review and approval so as to qualify for said documentary stamp tax funds.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF COCOA, FLORIDA THAT:

SECTION 1. The Council of the City of Cocoa (local government) hereby approves the Local Housing Assistance Plan, as attached and incorporated hereto for submission to the Florida Housing Finance Corporation as required by ss. 420.907-420-9079, Florida Statutes, for fiscal years 2025-2026, 2026-2027, 2027-2028.

SECTION 2. The Mayor is hereby designated and authorized to execute any documents and certifications required by the Florida Housing Finance Corporation as related to the Local Housing Assistance Plan, and to do all things necessary and proper to carry out the term and conditions of said program.

SECTION 3. This resolution shall become effective immediately upon its adoption by the City Council of the City of Cocoa, Florida.

ADOPTED by the City Council of the City of Cocoa, Florida, in a Regular meeting assembled on the 27th day of May 2025.

Michael C. Blake, Mayor

ATTEST:

Monica Arsenault, City Clerk

CITY COUNCIL AGENDA ITEM

Memo Date: May 13, 2025
Agenda Date: May 27, 2025
File ID: 2025-459
Prepared By: Zoie Badalov, Senior Budget Analyst
Through: Lora Howell, Deputy Finance Director
Acting Finance Director
Stockton Whitten, City Manager
Requested Action: Informational Item Only.

BACKGROUND:

The attached spreadsheets reference construction projects with a previously authorized “contingency” as of April 30th, 2025. The report provides the project number, project description, construction contract cost of project, contingency amount authorized, date of City Council approval, resolution number for authorization of contingency, requisition numbers, and expenditure by fiscal year.

The second line of each project in the third column under “Construction contract not to exceed \$” references the contingency amount that the City Council or City Manager, if within his purchasing authority, has approved. The last line of each project provides the remaining balance as of the report date.

PRIORITY AREA CONNECTION:

Organizational Effectiveness

BUDGETARY IMPACT:

None

PREVIOUS ACTION:

N/A

RECOMMENDED MOTION:

Informational Item Only.

FY 2025 Change Orders - CM authorized to execute

FY 2025 Change Orders - CM authorized to execute					Applied to Contingency		As of: Period 7									
Project #	Project Description + Details	Construction contract not to exceed \$	Labels	Resolution #	Requisition #	Requisition Amount	All Fiscal Years Cumulative	FY22 Cumulative Requisitions	FY23 Cumulative Requisitions	FY24 Cumulative Requisitions	FY25 Cumulative Requisitions	Cumulative Expenditures	FY2025 Expenditures	FY2024 Expenditures	FY2023 Expenditures	
WS22IR/GR24IR**Internal Recycle Pump																
Op. Rev.		10,283,270	Expenses Before Contingency													
Project Manager:	John Perrin	607,984	*CMAR Contingency	2023-103												
Account #:	421-4120-536.63-00	689,954	*Owner Contingency	2024-004												
	424-4055-536.63-00	11,581,208	Total approved	2024-005												
	424-4120-536.63-00															
								Cumulative Req. Balances	FY 22	FY 23	FY 24	FY 25	Cumulative Expenditures	FY 25	FY 24	FY 23
Vendor:	Wharton-Smith Inc.			FY2024	47027	1,448,145	11,581,208	-	-	11,581,208	-	\$ 8,811,462	\$ 4,747,620	\$ 4,063,841	\$ -	
PO #:	81414				47027-1	10,133,063										
*This project is a guaranteed maximum price contract which means Contingency is included in the PO Amount.																
**This amount is inclusive of a grant portion that was carved out and assigned to Project# GR24IR pursuant of resolution 24-055 which did not change any total costs for the project/PO																
GR2108 Fiske Blvd/Broadmoor Acres Drainage Improvement																
Op. Rev.		262,847	Exp authorized before contingency													
Project Manager:	Frank Mirabito	42,500	Contingency and other costs authorized	2022-025												
Account #:	303-3570-538.63-08	305,347	Total approved	2024-044												
	424-4055-536.63-08															
								Cumulative Req. Balances	FY 22	FY 23	FY 24	FY 25	Cumulative Expenditures	FY 25	FY 24	FY 23
Vendor:	Tiera Inc.			FY2022-23	44454	218,163	294,442	262,847	-	-	-	31,595	\$ 270,862	\$ 101,753	\$ 169,109	\$ -
PO #:	79493	10,905			FY2024	44454-1	44,684									
					FY2025	44454-2	22,000									
					FY2025	44454-3	9,595									
GR2108 Fiske Blvd/Broadmoor Acres Drainage Improvement																
Op. Rev.		5,471,015	Exp authorized before contingency													
Project Manager:	Frank Mirabito	2,405,102	Contingency and other costs authorized	2024-043												
Account #:	303-3570-538.63-00/73	7,876,117	Total approved	2024-090												
	423-3570-538.63-00/73															
	424-4055-536.63-00/73				FY2024	47365	5,471,015	7,791,870	-	-	7,424,780	367,090	\$ 6,060,382	\$ 1,994,317	\$ 4,066,065	\$ -
Vendor:	Cathcart Construction Co.					47365-1	1,953,765									
PO #:	81782	84,247				47365-2	367,090									
WS24LC Osage/ Angelica Improvements																
Op. Rev.		3,717,385	Exp authorized before contingency	2022-018												
Project Manager:		371,739	Contingency and other costs authorized	2022-092												
Account #:	424-4120-536.63-00	4,089,124	Total approved	2023-054												
								Cumulative Req. Balances	FY 22	FY 23	FY 24	FY 25	Cumulative Expenditures	FY 25	FY 24	FY 23
Vendor:	Atlantic Development of Cocoa			FY2024	47958	3,717,385	3,717,385	-	-	3,717,385	-	\$ 853,254	\$ 376,035	\$ 477,219	\$ -	
PO #:	Vendor #: 05580 82211	371,739														
WS24WP Friday Road Improvements																
Op. Rev.		4,413,648	Total approved	2022-018												
Project Manager:		401,241	Contingency and other costs authorized	2022-092												
Account #:	424-4120-536.63-00	4,012,407	Total approved	2023-054												
								Cumulative Req. Balances	FY 22	FY 23	FY 24	FY 25	Cumulative Expenditures	FY 25	FY 24	FY 23
Vendor:	Atlantic Development of Cocoa			FY2024	47960	4,012,407	4,012,407	-	-	4,012,407	-	\$ 1,618,643	\$ 306,498	\$ 1,312,145	\$ -	
PO #:	Vendor #: 05580 82212	401,241														

Project #	Project Description + Details	Construction contract not to exceed \$	Labels	Resolution #	Requisition #	Requisition Amount	All Fiscal Years Cumulative	FY22 Cumulative Requisitions	FY23 Cumulative Requisitions	FY24 Cumulative Requisitions	FY25 Cumulative Requisitions	Cumulative Expenditures	FY2025 Expenditures	FY2024 Expenditures	FY2023 Expenditures
CA2502	Bracco Pond Stormwater Improvements														
Op. Rev.		116,020	Exp authorized before contingency												
Project Manager:	Frank Mirabito	11,400	Contingency and other costs authorized												
Account #:	423-3570-538.63-00	127,420	Total approved	2024-109											
							Cumulative Req. Balances	FY 22	FY 23	FY 24	FY 25	Cumulative Expenditures	FY 25	FY 24	FY 23
Vendor:	Atlantic Development of Cocoa			FY2025	49339	116,020	116,020	-	-	-	116,020	\$ 116,020	\$ 116,020	\$ -	\$ -
PO #:	83333				0										
		11,400													
CA2502	Cidco Road Stormwater Improvements														
Op. Rev.		38,310	Exp authorized before contingency												
Project Manager:	Frank Mirabito	3,600	Contingency and other costs authorized												
Account #:	423-3570-538.63-00	41,910	Total approved	2024-109											
							Cumulative Req. Balances	FY 22	FY 23	FY 24	FY 25	Cumulative Expenditures	FY 25	FY 24	FY 23
Vendor:	Atlantic Development of Cocoa			FY2025	49349	38,310	38,310	-	-	-	38,310	\$ -	\$ -	\$ -	\$ -
PO #:	83343														
		3,600													
CA2502	IRD & Carmalt Stormwater Improvements														
Op. Rev.		50,315	Exp authorized before contingency												
Project Manager:	Frank Mirabito	5,000	Contingency and other costs authorized												
Account #:	423-3570-538.63-00	55,315	Total approved	2024-109											
							Cumulative Req. Balances	FY 22	FY 23	FY 24	FY 25	Cumulative Expenditures	FY 25	FY 24	FY 23
Vendor:	Atlantic Development of Cocoa			FY2025	49348	50,315	50,315	-	-	-	50,315	\$ 50,315	\$ 50,315	\$ -	\$ -
PO #:	83396				0										
		5,000													
PW25RR	Range Road Paving														
Op. Rev.		661,763	Exp authorized before contingency												
Project Manager:	Abigail Morgan	50,000	Contingency and other costs authorized												
Account #:	001-3510-541.63-00	711,763	Total approved	2025-110											
Vendor:	Fausnight Stripe & Line Inc			FY2025	49343	27,290	27,290	-	-	-	27,290	\$ 26,670	\$ 26,670	\$ -	\$ -
PO #:	83334														
		2,063													
							Cumulative Req. Balances	FY 22	FY 23	FY 24	FY 25	Cumulative Expenditures	FY 25	FY 24	FY 23
Vendor:	Asphalt Paving Systems, Inc.			FY2025	49341	267,908	267,908	-	-	-	267,908	\$ 356,676	\$ 356,676	\$ -	\$ -
PO #:	83341				0										
		20,242													
							Cumulative Req. Balances	FY 22	FY 23	FY 24	FY 25	Cumulative Expenditures	FY 25	FY 24	FY 23
Vendor:	Goodson Paving Inc			FY2025	49342	366,564	366,564	-	-	-	366,564	\$ 231,882	\$ 231,882	\$ -	\$ -
PO #:	83342				0										
		27,695													
WS25OC	Vapex Odor System Project														
Op. Rev.		147,375	Exp authorized before contingency												
Project Manager:	Frank Palmieri	7,625	Contingency and other costs authorized												
Account #:	424-4120-536.64-00	155,000	Total approved	2025-011											
							Cumulative Req. Balances	FY 22	FY 23	FY 24	FY 25	Cumulative Expenditures	FY 25	FY 24	FY 23
Vendor:	VAPEX Environmental Technologies			FY2025	49632	147,375	147,375	-	-	-	147,375	\$ 22,106	\$ 22,106	\$ -	\$ -
PO #:	83561														
		7,625													

CITY COUNCIL AGENDA ITEM

Memo Date: May 13, 2025
Agenda Date: May 27, 2025
File ID: 2025-460
Prepared By: Zoie Badalov, Senior Budget Analyst
Through: Lora Howell, Deputy Finance Director
Acting Finance Director
Stockton Whitten, City Manager
Requested Action: Informational Item Only.

BACKGROUND:

The following reports for the period ending April 30th, 2025 (FY25) provide information about the three major funds: General Fund, Water/Sewer Fund, and the Storm Water Fund. This April 2025 (FY25) report is unaudited and preliminary.

Each of the major funds will have the following reports:

1. Budget by Account Classification Report

Summary of the annual budget, revenues collected and expenditures by fund. The detailed back-up documentation is found in the Revenue Report and the Detailed Budget Report Summary by Object.

2. Revenue Report

Detail by account the number of actual revenues collected vs. budget for the three major funds: General Fund, Water & Sewer, and Storm Water. This report shows the current period, the year-to-date totals, the annual budget and the unrealized balance.

- Estimated - represents either the current period or the year-to-date prorated budget
- Actual - represents actual revenue received either in the current period or year to date
- % Rev - the percentage of actual revenue received vs. budget
- Annual Estimate - annual budget
- Unrealized Balance - annual estimate (budget less actual year to date received)

3. Detailed Budget Report Summary by Object

Summary of expenditures by account description vs. budget for the three major funds: General Fund, Water & Sewer, and Storm Water. This report shows the current period, the year-to-date totals, encumbrances, the annual budget and the unencumbered balance.

- Budget - represents either the current period or the year-to-date prorated budget
- Actual - represents actual cash expenditures either in the current period or year to date
- % Exp. - the percentage of actual expenditures vs. budget
- Encumbrance - encumbered amount
- Annual Budget - annual budget
- Unencumbered Balance - annual budget less actual year-to-date actual expenditures plus encumbrances
- % Budgeted - the percentage of year-to-date actual expenditures plus encumbrances vs. budget

PRIORITY AREA CONNECTION:

Organizational Effectiveness

BUDGETARY IMPACT:

None

PREVIOUS ACTION:

N/A

RECOMMENDED MOTION:

Informational Item Only.



FY 2025 Budget by Classification Report - Summary Listing

4/30/2025

Target for April 2025 is 58%

FUND 001 - GENERAL FUND

	Amended Budget	YTD Encumbrances	YTD Actual Transactions	Budget - YTD	% Used/Rec'd
REVENUE					
TAXES	\$ 15,912,604	\$ -	\$ 13,956,044	\$ 1,956,560	88%
OTHER PERMITS AND FEES	\$ 5,744,539	\$ -	\$ 4,543,858	\$ 1,200,681	79%
INTERGOVERNMENTAL	\$ 3,164,348	\$ -	\$ 1,609,335	\$ 1,555,013	51%
CHARGES FOR SERVICES	\$ 7,888,773	\$ -	\$ 4,626,108	\$ 3,262,665	59%
FINES AND FORFEITURES	\$ 15,000	\$ -	\$ 49,518	\$ (34,518)	330%
MISCELLANEOUS	\$ 1,352,584	\$ -	\$ 2,101,204	\$ (748,620)	155%
**OTHER SOURCES (NON-REVENUE)	\$ 28,256,414	\$ -	\$ 13,320,460	\$ 14,935,954	47%
REVENUE TOTALS	\$ 62,334,262	\$ -	\$ 40,206,526	\$ 22,127,736	65%
EXPENSE					
SALARIES AND BENEFITS	\$ 30,930,361	\$ 1,110	\$ 14,785,063	\$ 16,144,188	48%
OPERATING EXPENDITURES	\$ 18,829,019	\$ 3,954,812	\$ 8,057,399	\$ 6,816,807	43%
CAPITAL OUTLAY	\$ 9,468,244	\$ 3,501,639	\$ 3,700,727	\$ 2,265,877	39%
GRANTS, AIDS AND OTHER	\$ 1,847,291	\$ 39,121	\$ 1,778,167	\$ 30,003	96%
NON-OPERATING USES	\$ 1,259,347	\$ -	\$ 432,403	\$ 826,944	34%
EXPENSE TOTALS	\$ 62,334,262	\$ 7,496,683	\$ 28,753,760	\$ 26,083,819	58%
REVENUE TOTALS	\$ 62,334,262	\$ -	\$ 40,206,526	\$ 22,127,736	65%
EXPENSE TOTALS	\$ 62,334,262	\$ 7,496,683	\$ 28,753,760	\$ 26,083,819	58%
	\$ -	\$ (7,496,683)	\$ 11,452,766	\$ (3,956,083)	

*Unaudited

**Fund Balance is a budgeted revenue, not actual revenue.

CITY OF COCOA, FLORIDA
REVENUE REPORT
58% OF YEAR LAPSED

ACCOUNTING PERIOD 07/2025

CITY OF COCOA, FLORIDA

FUND 001		GENERAL FUND		*****	CURRENT	*****	*****	YEAR-TO-DATE	*****	ANNUAL	UNREALIZED
ACCOUNT		ACCOUNT DESCRIPTION		ESTIMATED	ACTUAL	%REV	ESTIMATED	ACTUAL	%REV	ESTIMATE	BALANCE
310		TAXES									
311		AD VALOREM									
	10 00	CURRENT TAXES		402,838	959,715.12	238	11,295,928	11,595,264.23	103	12,101,604	506,339.77
	20 00	DELINQUENT TAXES		2,250	97.22	4	3,750	538.64	14	15,000	14,461.36
	25 00	PENALTIES RE: TAXES		1,666	20,514.64	1231	11,662	35,809.15	307	20,000	15,809.15-
	30 00	TAX CERTIFICATES		16,666	.00		116,662	.00		200,000	200,000.00
311	**	AD VALOREM		423,420	980,326.98	232	11,428,002	11,631,612.02	102	12,336,604	704,991.98
312		SALES USE AND FUEL TAXES									
	41 00	LOCAL OPTION GAS TAX 6 CT		54,166	56,754.39	105	379,162	285,851.99	75	650,000	364,148.01
312	**	SALES USE AND FUEL TAXES		54,166	56,754.39	105	379,162	285,851.99	75	650,000	364,148.01
314		UTILITY SERVICE TAX									
	10 00	ELECTRICITY		137,500	191,135.42	139	962,500	1,164,561.18	121	1,650,000	485,438.82
	30 00	WATER-COCA		33,333	40,256.26	121	233,331	284,738.48	122	400,000	115,261.52
	40 00	GAS		4,583	7,430.70	162	32,081	39,363.83	123	55,000	15,636.17
	80 00	PROPANE		2,000	3,653.90	183	14,000	16,672.18	119	24,000	7,327.82
314	**	UTILITY SERVICE TAX		177,416	242,476.28	137	1,241,912	1,505,335.67	121	2,129,000	623,664.33
315		COMMUNICATION SERVICE TAX									
	00 00	COMMUNICATION SERVICE TAX		54,166	57,674.36	107	379,162	409,138.50	108	650,000	240,861.50
315	**	COMMUNICATION SERVICE TAX		54,166	57,674.36	107	379,162	409,138.50	108	650,000	240,861.50
316		LOCAL BUSINESS TAX									
	00 00	LOCAL BUSINESS TAX		4,729	6,469.29	137	123,357	124,106.01	101	147,000	22,893.99
316	**	LOCAL BUSINESS TAX		4,729	6,469.29	137	123,357	124,106.01	101	147,000	22,893.99
310	***	TAXES		713,897	1,343,701.30		13,551,595	13,956,044.19		15,912,604	1,956,559.81
320		OTHER PERMITS & FEES									
322		BUILDING PERMITS									
	10 00	TRAINING SURCHARGE		0	.00		0	.00		0	.00
322	**	BUILDING PERMITS		0	.00		0	.00		0	.00
323		FRANCHISE FEES									
	10 00	ELECTRICITY		108,333	151,324.33	140	758,331	729,170.56	96	1,300,000	570,829.44
	40 00	GAS		7,083	10,944.94	155	49,581	59,038.94	119	85,000	25,961.06
	70 00	SOLID WASTE		25,000	27,511.26	110	175,000	192,434.59	110	300,000	107,565.41
323	**	FRANCHISE FEES		140,416	189,780.53	135	982,912	980,644.09	100	1,685,000	704,355.91
324		IMPACT FEES									
	32 00	TRANSP IMPACT FEE-COMMRCL		0	.00		0	.00		0	.00
324	**	IMPACT FEES		0	.00		0	.00		0	.00

CITY OF COCOA, FLORIDA
REVENUE REPORT
58% OF YEAR LAPSED

ACCOUNTING PERIOD 07/2025

CITY OF COCOA, FLORIDA

FUND 001		GENERAL FUND		*****	CURRENT	*****	*****	YEAR-TO-DATE	*****	ANNUAL	UNREALIZED
ACCOUNT		ACCOUNT DESCRIPTION		ESTIMATED	ACTUAL	%REV	ESTIMATED	ACTUAL	%REV	ESTIMATE	BALANCE
325		SPECIAL ASSESSMENT									
	22 01	FIRE ASSESSMENT		76,833	287,093.75	374	3,102,375	3,414,178.23	110	3,486,539	72,360.77
	22 02	F ASSMNT DELINQ TAXES		250	76.02	30	1,750	469.29	27	3,000	2,530.71
	22 03	F ASSMNT PENALTIES		416	5,613.94	1350	2,912	5,737.66	197	5,000	737.66-
	22 04	F ASSMNT TAX CERTS		11,666	.00		81,662	.00		140,000	140,000.00
	22 *	FIRE PROTECTION		89,165	292,783.71	328	3,188,699	3,420,385.18	107	3,634,539	214,153.82
325	**	SPECIAL ASSESSMENT		89,165	292,783.71	328	3,188,699	3,420,385.18	107	3,634,539	214,153.82
329		OTHER PERMITS & FEES									
	10 00	INSPECTION FEES		0	.00		0	.00		0	.00
	10 01	FIRE INSPECTION FEES		9,583	.00		67,081	5,340.00	8	115,000	109,660.00
	10 02	FIRE INSPEC FEE-PDCS CHGS		0	.00		0	7,968.00		0	7,968.00-
	10 *	INSPECTION FEES		9,583	.00		67,081	13,308.00	20	115,000	101,692.00
	25 00	PLANNING AND ZONING		25,833	2,586.13-	10	180,831	48,155.32	27	310,000	261,844.68
	25 01	PLANNING CONS FEES		0	.00		0	81,365.00		0	81,365.00-
	25 *	PLANNING AND ZONING		25,833	2,586.13-	10	180,831	129,520.32	72	310,000	180,479.68
329	**	OTHER PERMITS & FEES		35,416	2,586.13-	7	247,912	142,828.32	58	425,000	282,171.68
320	***	OTHER PERMITS & FEES		264,997	479,978.11		4,419,523	4,543,857.59		5,744,539	1,200,681.41
330		INTERGOVERNMENTAL REVENUE									
331		FEDERAL GRANTS									
	20 19	JAG 2020-DJ-BX-0410		0	.00		0	.00		0	.00
	20 22	JAG 21-GG-01363		0	.00		0	.00		0	.00
	20 23	BULLET PROOF VEST 2021		0	.00		0	.00		0	.00
	20 24	VOCA-2022-COCOA PD-00181		0	.00		0	.00		0	.00
	20 25	JAG 2022-22-GG-02810		0	.00		0	.00		0	.00
	20 26	BULLET PROOF VEST 2022		0	.00		0	.00		0	.00
	20 27	VOCA-2023-COCOA PD-00042		0	.00		0	.00		0	.00
	20 28	JAG 2023-23-GG-03233		0	.00		0	.00		0	.00
	20 29	BULLET PROOF VEST 2023		38	.00		228	627.50-	275	416	1,043.50
	20 30	VOCA-2024-COCOA PD-00273		9,366	8,479.19	91	65,562	44,100.81	67	112,393	68,292.19
	20 31	BULLET PROOF VEST 2024		1,206	.00		7,236	.00		13,263	13,263.00
	20 32	JAG 2024-24-GG-04542		1,739	.00		6,956	.00		15,653	15,653.00
	20 33	VOCA-2025-COCOA PD-00181		0	.00		0	.00		0	.00
	20 *	PUBLIC SAFETY		12,349	8,479.19	69	79,982	43,473.31	54	141,725	98,251.69
	39 12	USDA/FOREST SVC 26866		0	.00		0	.00		0	.00
	50 01	FEDERAL DISASTER REIMB		0	.00		0	.00		0	.00
	70 02	AFRICAN AM MUSE-GR2111		0	.00		0	.00		0	.00
331	**	FEDERAL GRANTS		12,349	8,479.19	69	79,982	43,473.31	54	141,725	98,251.69

CITY OF COCOA, FLORIDA
REVENUE REPORT
58% OF YEAR LAPSED

ACCOUNTING PERIOD 07/2025

CITY OF COCOA, FLORIDA

FUND 001		GENERAL FUND		*****	CURRENT	*****	*****	YEAR-TO-DATE	*****	ANNUAL	UNREALIZED
ACCOUNT		ACCOUNT DESCRIPTION		ESTIMATED	ACTUAL	%REV	ESTIMATED	ACTUAL	%REV	ESTIMATE	BALANCE
333	90 00	PAYMENT IN LIEU OF TAXES HOUSING AUTHORITY		0	.00		0	.00		0	.00
333	**	PAYMENT IN LIEU OF TAXES		0	.00		0	.00		0	.00
334	10 15	STATE GRANT FL CYBERSECURITY		0	.00		0	.00		0	.00
	50 01	STATE DISASTER REIMB		0	273,381.95		0	273,881.95		0	273,881.95-
	50 55	RESILIENT FL-FDEP 24PLN48		6,944	.00		37,420	.00		72,135	72,135.00
	50 *	ECONOMIC ENVIRONMENT		6,944	273,381.95	3937	37,420	273,881.95	732	72,135	201,746.95-
	70 11	HTMOORE RESTOR-GR23HM		2,294	.00		53,592	.00		65,062	65,062.00
334	**	STATE GRANT		9,238	273,381.95	2959	91,012	273,881.95	301	137,197	136,684.95-
335	12 00	STATE SHARED REVENUES STATE REVENUE SHARING		66,416	59,434.63	90	464,912	427,184.41	92	797,000	369,815.59
	12 20	8TH CNT MUNICIPAL GAS TAX		13,333	13,046.63	98	93,331	93,772.21	101	160,000	66,227.79
	12 *	STATE REVENUE SHARING		79,749	72,481.26	91	558,243	520,956.62	93	957,000	436,043.38
	14 00	MOBILE HOME LICENSES		2,083	945.00	45	14,581	18,464.12	127	25,000	6,535.88
	15 00	ALCOHOLIC BEVERAGE		2,083	.00		14,581	513.91	4	25,000	24,486.09
	18 00	LOCAL GOVERNMENT 1/2 CENT		116,666	120,966.03	104	816,662	697,281.70	85	1,400,000	702,718.30
	21 00	FIREFIGHTER SUPPLEMENTAL		1,333	3,990.00	299	9,331	7,980.00	86	16,000	8,020.00
	29 21	POL PEN STATE CONTR		0	.00		0	.00		245,613	245,613.00
	29 22	FIRE PEN STATE CONTR		0	.00		0	.00		196,813	196,813.00
	29 *	OTHER PUBLIC SAFETY		0	.00		0	.00		442,426	442,426.00
	41 00	FUEL TAX REFUNDS		1,666	9,708.32	583	11,662	46,783.26	401	20,000	26,783.26-
335	**	STATE SHARED REVENUES		203,580	208,090.61	102	1,425,060	1,291,979.61	91	2,885,426	1,593,446.39
337	30 21	GRANTS FROM LOCAL UNITS FIND BV-C0-23-159 WTRF P1		0	.00		0	.00		0	.00
	60 00	HUMAN SERVICES		0	.00		0	.00		0	.00
337	**	GRANTS FROM LOCAL UNITS		0	.00		0	.00		0	.00
338	10 06	SHARED REVENUE LOCAL UNIT SR524 Widening		0	.00		0	.00		0	.00
338	**	SHARED REVENUE LOCAL UNIT		0	.00		0	.00		0	.00
330	***	INTERGOVERNMENTAL REVENUE		225,167	489,951.75		1,596,054	1,609,334.87		3,164,348	1,555,013.13
340		CHARGES FOR SERVICES									
341		GENERAL GOVERNMENT									

CITY OF COCOA, FLORIDA
REVENUE REPORT
58% OF YEAR LAPSED

ACCOUNTING PERIOD 07/2025

CITY OF COCOA, FLORIDA

FUND 001 GENERAL FUND		***** CURRENT *****			***** YEAR-TO-DATE *****			ANNUAL	
ACCOUNT	DESCRIPTION	ESTIMATED	ACTUAL	%REV	ESTIMATED	ACTUAL	%REV	ESTIMATE	UNREALIZED BALANCE
30 00	ADMINISTRATIVE FEES	0	.00		0	1,180.00		0	1,180.00-
31 00	ADMIN FEES STORMWATER	0	.00		0	.00		0	.00
40 00	CERTIFY/COPY/SEARCH	7,750	9,253.75	119	54,250	51,426.09	95	93,000	41,573.91
90 12	PASSPORT EXECUTION FEES	250	175.00	70	1,750	1,260.00	72	3,000	1,740.00
341 **	GENERAL GOVERNMENT	8,000	9,428.75	118	56,000	53,866.09	96	96,000	42,133.91
342	PUBLIC SAFETY								
10 00	SVC CHG - LAW ENF SERVICE	10,000	5,080.00	51	70,000	79,797.50	114	120,000	40,202.50
10 02	SCHOOL RES OFFICER	24,000	.00		168,000	144,000.00	86	288,000	144,000.00
10 *	SVC CHG - LAW ENF SERVICE	34,000	5,080.00	15	238,000	223,797.50	94	408,000	184,202.50
20 00	SVC CHG - FIRE PROTECTION	2,500	2,450.00	98	17,500	15,027.50	86	30,000	14,972.50
90 00	OTHER PUBLIC SAFETY	83	.00		581	.00		1,000	1,000.00
90 01	FALSE ALARM FEES	625	1,510.00-	242	4,375	1,010.00	23	7,500	6,490.00
90 *	OTHER PUBLIC SAFETY	708	1,510.00-	213	4,956	1,010.00	20	8,500	7,490.00
342 **	PUBLIC SAFETY	37,208	6,020.00	16	260,456	239,835.00	92	446,500	206,665.00
343	PHYSICAL ENVIRONMENT								
37 10	BREVARD COUNTY	52,349	.00		366,443	336,587.47	92	628,194	291,606.53
37 11	ROCKLEDGE	29,083	31,110.44	107	203,581	216,401.19	106	348,996	132,594.81
37 12	SUN LAKE	378	387.81	103	2,646	2,721.34	103	4,536	1,814.66
37 13	CLNY PK-M.I.UTIL CO.	191	216.84	114	1,337	1,488.25	111	2,303	814.75
37 16	COCOA BEACH	10,935	11,444.53	105	76,545	79,851.32	104	131,223	51,371.68
37 17	CAPE CANAVERAL	9,306	11,076.62	119	65,142	76,992.23	118	111,678	34,685.77
37 18	TITUSVILLE	418	432.29	103	2,926	2,946.12	101	5,025	2,078.88
37 *	WATER BILLING SERVICES	102,660	54,668.53	53	718,620	716,987.92	100	1,231,955	514,967.08
39 01	SERVICE CHARGES	75,000	76,527.30	102	525,000	532,710.51	102	900,000	367,289.49
39 03	ADMIN CHARGES	41,666	43,515.00	104	291,662	283,185.00	97	500,000	216,815.00
39 04	PENALTIES	60,000	60,133.27	100	420,000	442,977.50	106	720,000	277,022.50
39 05	NSF CHECKS	2,500	3,730.12	149	17,500	35,906.71	205	30,000	5,906.71-
39 13	HIGH CONSUMP CHGS	833	1,605.00	193	5,831	13,770.00	236	10,000	3,770.00-
39 *	WATER OTHER INCOME	179,999	185,510.69	103	1,259,993	1,308,549.72	104	2,160,000	851,450.28
41 10	SOLID WASTE	236,695	246,137.14	104	1,656,865	1,678,593.97	101	2,840,345	1,161,751.03
41 20	RECYCLING REVENUE	33,735	35,452.67	105	236,145	247,941.33	105	404,831	156,889.67
41 30	GREEN WASTE	38,327	43,741.95	114	268,289	305,907.36	114	459,933	154,025.64
41 *	GARBAGE COLLECTION	308,757	325,331.76	105	2,161,299	2,232,442.66	103	3,705,109	1,472,666.34
45 10	BILLING FEE - WASTE MGMT	0	.00		0	.00		0	.00
46 10	EARNED NOT BILLED	0	.00		0	.00		0	.00

CITY OF COCOA, FLORIDA
REVENUE REPORT
58% OF YEAR LAPSED

ACCOUNTING PERIOD 07/2025

CITY OF COCOA, FLORIDA

FUND 001		GENERAL FUND								
ACCOUNT		ACCOUNT DESCRIPTION	***** ESTIMATED	CURRENT ACTUAL	***** %REV	***** ESTIMATED	YEAR-TO-DATE ACTUAL	***** %REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
90	01	FDOT MEDIAN MAINT	15,050	15,632.50-	104	45,150	31,265.00	69	60,200	28,935.00
90	03	FDOT MNT SIGNAL/HWY LIGHT	0	.00		0	.00		130,409	130,409.00
90	*	OTHER PHYSICAL ENVIRON	15,050	15,632.50-	104	45,150	31,265.00	69	190,609	159,344.00
343	**	PHYSICAL ENVIRONMENT	606,466	549,878.48	91	4,185,062	4,289,245.30	103	7,287,673	2,998,427.70
347		CULTURE/RECREATION								
20	10	GAZEBO-PAVILLION RENTAL	41	.00		287	140.00	49	500	360.00
20	11	SERVICE FEES	0	965.00		0	4,988.25		0	4,988.25-
20	*	PARKS & RECREATION	41	965.00	2354	287	5,128.25	1787	500	4,628.25-
39	10	PORCHER HOUSE - REVENUES	666	1,600.00	240	4,662	11,150.00	239	8,000	3,150.00-
39	11	TENANT MAINTENANCE FEES	100	103.49	104	700	722.45	103	1,200	477.55
39	20	COCOA CIVIC CENTER	833	1,518.83	182	5,831	12,830.82	220	10,000	2,830.82-
39	30	RIVERFRONT PARK	666	.00		4,662	2,841.00	61	8,000	5,159.00
39	*	OTHER CULTURAL SERVICES	2,265	3,222.32	142	15,855	27,544.27	174	27,200	344.27-
40	05	SPECIAL EVENT PERMITS	2,083	450.00	22	14,581	6,400.00	44	25,000	18,600.00
50	10	EVENT FEES	325	.00		2,275	1,350.00	59	3,900	2,550.00
50	30	ADVERTISING/SPONSORSHIPS	41	.00		287	500.00	174	500	.00
50	50	MISC FURNISHINGS	125	480.50	384	875	2,239.25	256	1,500	739.25-
50	*	SPECIAL REC FACILITIES	491	480.50	98	3,437	4,089.25	119	5,900	1,810.75
347	**	CULTURE/RECREATION	4,880	5,117.82	105	34,160	43,161.77	126	58,600	15,438.23
340	***	CHARGES FOR SERVICES	656,554	570,445.05		4,535,678	4,626,108.16		7,888,773	3,262,664.84
350		FINES AND FORFEITURES								
351		JUDGMENTS AND FINES								
90	00	OTHER	1,250	7,781.87	623	8,750	49,517.64	566	15,000	34,517.64-
351	**	JUDGMENTS AND FINES	1,250	7,781.87	623	8,750	49,517.64	566	15,000	34,517.64-
350	***	FINES AND FORFEITURES	1,250	7,781.87		8,750	49,517.64		15,000	34,517.64-
360		MISCELLANEOUS REVENUES								
361		INTEREST & OTHER EARNINGS								
10	00	INTEREST	12,500	3,069.02	25	87,500	30,675.48	35	150,000	119,324.52
10	02	INVESTMENT INTEREST	41,666	143,674.80	345	291,662	1,031,982.55	354	500,000	531,982.55-
10	10	FLORIDA PRIME INTEREST	20,833	79,175.79	380	145,831	484,520.01	332	250,000	234,520.01-
10	11	INTEREST/CBOS	0	.00		0	.00		0	.00
10	*	INTEREST	74,999	225,919.61	301	524,993	1,547,178.04	295	900,000	647,178.04-

CITY OF COCOA, FLORIDA
REVENUE REPORT
58% OF YEAR LAPSED

ACCOUNTING PERIOD 07/2025

CITY OF COCOA, FLORIDA

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ACCOUNT		ACCOUNT DESCRIPTION	ESTIMATED		ACTUAL	%REV	ESTIMATED	ACTUAL	%REV	ESTIMATE	BALANCE
30 00		NET INC/DEC FMV INVESTMNT	0		18,044.02		0	4,050.35		0	4,050.35-
35 01		AMERICAN TOWER	53		.00		371	644.41	174	645	.59
35 02		ATT CELL TWR 14386094	1,303		.00		9,121	15,643.31	172	15,644	.69
35 03		ATT CELL TOWER 382218	38		.00		266	243.53	92	463	219.47
35 04		LAMAR BILLBOARD	29		58.89	203	203	241.00	119	357	116.00
35 05		SPRINT CELL TOWER	497		.00		3,479	7,828.28	225	5,964	1,864.28-
35 06		LEASE - TMOBILE A2C0020A	14		41.91	299	98	139.65	143	177	37.35
35 07		LEASE - TMOBILE A2C0555A	11		161.66	1470	77	425.42	553	134	291.42-
35 *		MISCELLANEOUS INTEREST	1,945		262.46	14	13,615	25,165.60	185	23,384	1,781.60-
40 00		GAIN/(LOSS) SALE INVEST	0		2,331.19-		0	11,217.31-		0	11,217.31
40 02		UNREALIZED GAIN/(LOSS)	0		.00		0	.00		0	.00
40 *		GAIN/(LOSS) SALE INVEST	0		2,331.19-		0	11,217.31-		0	11,217.31
361	**	INTEREST & OTHER EARNINGS	76,944		241,894.90	314	538,608	1,565,176.68	291	923,384	641,792.68-
362		RENT AND ROYALTIES									
00 00		RENT AND ROYALTIES	108		.00		756	.00		1,300	1,300.00
39 01		AMERICAN TOWER	0		.00		0	.00		0	.00
39 02		ATT CELL TWR 14386094	0		.00		0	.00		0	.00
39 03		ATT CELL TOWER 382218	0		.00		0	.00		0	.00
39 04		LAMAR BILLBOARD	0		.00		0	.00		0	.00
39 05		SPRINT CELL TOWER	0		.00		0	.00		0	.00
39 06		TMOBILE CELL TWR A2C0020A	0		.00		0	.00		0	.00
39 07		TMOBILE CELL TWR A2C0555A	0		.00		0	.00		0	.00
39 10		PORCHER HOUSE-TENANTS	583		1,409.76	242	4,081	9,828.72	241	7,000	2,828.72-
39 20		CIVIC CENTER-TENANTS	658		660.00	100	4,606	4,620.00	100	7,900	3,280.00
39 *		RENTALS AND LEASES	1,241		2,069.76	167	8,687	14,448.72	166	14,900	451.28
362	**	RENT AND ROYALTIES	1,349		2,069.76	153	9,443	14,448.72	153	16,200	1,751.28
364		DISPOSITION FIXED ASSETS									
00 00		DISPOSITION FIXED ASSETS	0		16,693.81		0	66,713.36		0	66,713.36-
10 00		GAIN/(LOSS)SALE OF F/A	0		.00		0	.00		0	.00
364	**	DISPOSITION FIXED ASSETS	0		16,693.81		0	66,713.36		0	66,713.36-
365		SALE SURPLUS MTRLS &SCRAP									
00 00		SALE SURPLUS MTRLS &SCRAP	0		1,796.09		0	7,426.72		0	7,426.72-
365	**	SALE SURPLUS MTRLS &SCRAP	0		1,796.09		0	7,426.72		0	7,426.72-
366		CONTRIBUTIONS & DONATIONS									
00 00		CONTRIBUTIONS & DONATIONS	35,717		214,300.00	600	35,717	214,853.00	602	214,300	553.00-

CITY OF COCOA, FLORIDA

FUND 001		GENERAL FUND		*****	CURRENT	*****	*****	YEAR-TO-DATE	*****	ANNUAL	UNREALIZED
ACCOUNT		ACCOUNT DESCRIPTION		ESTIMATED	ACTUAL	%REV	ESTIMATED	ACTUAL	%REV	ESTIMATE	BALANCE
10	10	CONTRIBS FOR K-9		0	.00		0	.00		0	.00
10	14	REPLACEMENT TREES		0	.00		0	.00		0	.00
10	*	DONATIONS-PRIVATE SOURCES		0	.00		0	.00		0	.00
366	**	CONTRIBUTIONS & DONATIONS		35,717	214,300.00	600	35,717	214,853.00	602	214,300	553.00-
368	00 00	PENSION CONTRIBUTIONS		0	.00		0	.00		0	.00
368	**	PENSION CONTRIBUTIONS		0	.00		0	.00		0	.00
369		OTHER MISC REVENUES									
90	00	OTHER MISC REVENUES		0	20,711.21-		0	36,884.00		0	36,884.00-
90	02	POLICE SECURITY SERVICES		0	.00		0	.00		0	.00
90	03	CODE ENF ABATE/DEMO REV		12,583	10,080.01	80	88,081	143,279.89	163	151,000	7,720.11
90	04	MISC. POLICE REVENUES		516	218.32	42	2,612	790.13	30	5,200	4,409.87
90	05	INVESTIGATIVE COSTS REIM		3,333	4,611.75	138	23,331	26,538.36	114	40,000	13,461.64
90	09	PROPERTY REGISTRATION		166	400.00	241	1,162	2,200.00	189	2,000	200.00-
90	12	LEISURE SVCS -CANCEL FEES		41	.00		287	210.00	73	500	290.00
90	*	OTHER MISC REVENUES		16,639	5,401.13-	33	115,473	209,902.38	182	198,700	11,202.38-
96	00	INSURANCE REFUND/PROCEEDS		0	5,847.52		0	22,683.00		0	22,683.00-
369	**	OTHER MISC REVENUES		16,639	446.39	3	115,473	232,585.38	201	198,700	33,885.38-
360	***	MISCELLANEOUS REVENUES		130,649	477,200.95		699,241	2,101,203.86		1,352,584	748,619.86-
380		OTHER SOURCES(NON-REV)									
381		INTERFUND TRANSFER									
91	03	TRF FROM CDBG (103)		0	.00		0	.00		0	.00
91	10	TRF FROM COCOA CRA (110)		18,493	18,500.00	100	129,524	129,500.00	100	222,000	92,500.00
91	11	TRF FROM DIAMOND SQ (111)		0	.00		0	.00		0	.00
91	14	TRF FROM ARPA (130)		1,991	.00		3,982	13,933.81	350	13,934	.19
91	20	TRF FROM DBT SVC (201)		0	.00		0	.00		0	.00
91	21	TRF FROM W/S FUND (421)		0	.00		0	.00		0	.00
91	23	TRF FROM STORMWATER (423)		0	.00		0	.00		0	.00
91	25	TRF FROM W/S REST (425)		0	.00		0	.00		0	.00
91	26	TRF FROM W/S 2018B (426)		0	.00		0	.00		0	.00
91	30	TRF FROM CAP PROJ (301)		0	.00		0	.00		0	.00
91	31	TRF FROM FISKE BV (303)		0	.00		0	.00		0	.00
91	41	TRF FROM CONFISC (141)		0	.00		0	.00		0	.00
91	*	TRANSFER FROM		20,484	18,500.00	90	133,506	143,433.81	107	235,934	92,500.19
94	21	TRANS FR 421 OH ALLOC		697,361	697,361.67	100	4,881,527	4,881,531.69	100	8,368,340	3,486,808.31
94	23	TRANS FR 423 OH ALLOC		27,344	27,344.00	100	191,408	191,408.00	100	328,128	136,720.00
94	*	INTERFUND TRANSFER		724,705	724,705.67	100	5,072,935	5,072,939.69	100	8,696,468	3,623,528.31
381	**	INTERFUND TRANSFER		745,189	743,205.67	100	5,206,441	5,216,373.50	100	8,932,402	3,716,028.150

CITY OF COCOA, FLORIDA
REVENUE REPORT
58% OF YEAR LAPSED

ACCOUNTING PERIOD 07/2025

CITY OF COCOA, FLORIDA

FUND 001 GENERAL FUND										
ACCOUNT		ACCOUNT DESCRIPTION	***** ESTIMATED	CURRENT ACTUAL	***** %REV	***** ESTIMATED	YEAR-TO-DATE ACTUAL	***** %REV	ANNUAL ESTIMATE	UNREALIZED BALANCE
382		CONTRIBUTIONS ENTERPRISE								
40 00		CONTRIBUTIONS (ROI)	654,056	654,056.92	100	4,578,392	4,578,398.44	100	7,848,683	3,270,284.56
40 01		6% PILOFF	147,241	147,241.17	100	1,030,687	1,030,688.19	100	1,766,894	736,205.81
40 *		CONTRIBUTIONS (ROI)	801,297	801,298.09	100	5,609,079	5,609,086.63	100	9,615,577	4,006,490.37
382	**	CONTRIBUTIONS ENTERPRISE	801,297	801,298.09	100	5,609,079	5,609,086.63	100	9,615,577	4,006,490.37
383	10 33	INSTLMT PURCH/CAP LEASE POSTAGE MACHINE	0	.00		0	.00		0	.00
383	**	INSTLMT PURCH/CAP LEASE	0	.00		0	.00		0	.00
384	00 00	DEBT PROCEEDS DEBT PROCEEDS	214,038	.00		1,424,803	2,495,000.00	175	2,495,000	.00
384	**	DEBT PROCEEDS	214,038	.00		1,424,803	2,495,000.00	175	2,495,000	.00
389		NON OPERATING SOURCES								
90 00		NON OPERATING SOURCES	24,168-	.00		121,648	.00		800	800.00
99 10		CASH CARRY FORWARD	0	.00		0	.00		0	.00
99 11		RESTR. CASH CARRY FORWARD	0	.00		0	.00		0	.00
99 50		FUND BAL-APPROP. RESERVES	699,036	.00		3,717,451	.00		7,212,635	7,212,635.00
99 *		BALANCE FORWARD	699,036	.00		3,717,451	.00		7,212,635	7,212,635.00
389	**	NON OPERATING SOURCES	674,868	.00		3,839,099	.00		7,213,435	7,213,435.00
380	***	OTHER SOURCES(NON-REV)	2,435,392	1,544,503.76		16,079,422	13,320,460.13		28,256,414	14,935,953.87
FUND TOTAL GENERAL FUND			4,427,906	4,913,562.79		40,890,263	40,206,526.44		62,334,262	22,127,735.56
GRAND TOTAL			4,427,906	4,913,562.79		40,890,263	40,206,526.44		62,334,262	22,127,735.56

FUND 001 GENERAL FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				
11-00	EXECUTIVE SALARIES	92142	75759.90	82	644994	520323.02	81	.00	1105763	585439.98	47
11 **	EXECUTIVE SALARIES	92142	75759.90	82	644994	520323.02	81	.00	1105763	585439.98	47
12-00	REGULAR SALARIES & WAGES	1282348	998789.74	78	8960390	7113738.13	79	.00	15372256	8258517.87	46
12-06	SALARIES/CONTRACTUAL	9650	7259.00	75	67148	81165.46	121	.00	115399	34233.54	70
12-07	EMS 1ST RESPONDER	0	.00	0	0	.00	0	.00	0	.00	0
12-10	SALARY ADJUSTMENTS	0	.00	0	0	.00	0	.00	0	.00	0
12-12	ACCRUAL PAYOUTS	13926	.00	0	70388	85820.53	122	.00	140042	54221.47	61
12 **	REGULAR SALARIES & WAGES	1305924	1006048.74	77	9097926	7280724.12	80	.00	15627697	8346972.88	47
13-00	OTHER SALARIES & WAGES	101883	60157.23	59	688182	622032.91	90	.00	1197652	575619.09	52
13 **	OTHER SALARIES & WAGES	101883	60157.23	59	688182	622032.91	90	.00	1197652	575619.09	52
14-00	OVERTIME	60056	80732.48	134	415064	501134.31	121	.00	715456	214321.69	70
14-01	COMP TIME	0	.00	0	0	.00	0	.00	0	.00	0
14 **	OVERTIME	60056	80732.48	134	415064	501134.31	121	.00	715456	214321.69	70
15-00	SPECIAL PAY	27068	39272.29	145	189476	262145.35	138	.00	324843	62697.65	81
15 **	SPECIAL PAY	27068	39272.29	145	189476	262145.35	138	.00	324843	62697.65	81
20-00	CLOTHING/SHOE ALLOWANCE	2759	.00	0	18089	12398.84	69	.00	31897	19498.16	39
20 **	CLOTHING/SHOE ALLOWANCE	2759	.00	0	18089	12398.84	69	.00	31897	19498.16	39
21-00	FICA TAXES	112884	95444.33	85	785688	694520.40	88	.00	1350247	655726.60	51
21 **	FICA TAXES	112884	95444.33	85	785688	694520.40	88	.00	1350247	655726.60	51
22-00	RETIREMENT CONTRIBUTIONS	123918	102552.95	83	866901	724027.34	84	.00	1486611	762583.66	49
22-01	FIRE PENSION	235216	211653.21	90	1644337	1581608.79	96	.00	2820431	1238822.21	56
22-02	STATE CONTRIBUTIONS	36868	.00	0	258076	.00	0	.00	442426	442426.00	0
22-03	NON-FRS RETIREMENT PLAN	3178	2911.10	92	22225	20688.03	93	.00	38130	17441.97	54
22 **	RETIREMENT CONTRIBUTIONS	399180	317117.26	79	2791539	2326324.16	83	.00	4787598	2461273.84	49
23-00	INSURANCES	4309	3286.00	76	30136	21250.53	71	.00	51780	30529.47	41

FUND 001 GENERAL FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				
23-02	MEDICARE PART B	38256	28544.80	75	267792	282735.32	106	1110.00	459072	175226.68	62
23-04	MEDICAL	306365	257980.08	84	2150603	1663263.47	77	.00	3682569	2019305.53	45
23-05	HEALTH GF RETIREES 50%	4969	5362.94	108	34783	35590.42	102	.00	59630	24039.58	60
23-06	HEALTH GF RETIREES 100%	20872	17551.44	84	146104	121048.46	83	.00	250467	129418.54	48
23-07	DENTAL INSURANCE	13731	12360.52	90	96045	79791.55	83	.00	164850	85058.45	48
23-08	VISION INSURANCE	2440	2215.84	91	17068	14367.15	84	.00	29427	15059.85	49
23-09	LONG TERM DISABILITY	4173	3541.33	85	29184	22874.89	78	.00	50182	27307.11	46
23-10	FSA HEALTH	0	.00	0	0	.00	0	.00	0	.00	0
23-11	FSA CHILDCARE	0	.00	0	0	.00	0	.00	0	.00	0
23 **	INSURANCES	395115	330842.95	84	2771715	2240921.79	81	1110.00	4747977	2505945.21	47
24-00	WORKER'S COMPENSATION	65438	27479.64	42	457955	205360.92	45	.00	785310	579949.08	26
24 **	WORKER'S COMPENSATION	65438	27479.64	42	457955	205360.92	45	.00	785310	579949.08	26
25-00	UNEMPLOYMENT COMPENSATION	833	.00	0	5831	.00	0	.00	10000	10000.00	0
25 **	UNEMPLOYMENT COMPENSATION	833	.00	0	5831	.00	0	.00	10000	10000.00	0
27-00	BENEFIT OFFSET	20493	18865.16	92	143451	119177.43	83	.00	245921	126743.57	49
27 **	BENEFIT OFFSET	20493	18865.16	92	143451	119177.43	83	.00	245921	126743.57	49
28-00	PER SVC OVERHEAD ALLOC	0	.00	0	0	.00	0	.00	0	.00	0
28 **	PER SVC OVERHEAD ALLOC	0	.00	0	0	.00	0	.00	0	.00	0
31-00	PROFESSIONAL SERVICES	74141	46127.19	62	410022	231087.84	56	262117.95	780763	287557.21	63
31-01	LEGAL EXPENSES	42876	29788.84	70	300132	181562.33	61	326238.07	514518	6717.60	99
31-02	MEDICAL SERVICES	4991	820.15	16	34937	5331.15	15	49673.85	59895	4890.00	92
31-03	ENGINEERING SERVICES	727	6540.00	900	2908	6540.00	225	.00	6540	.00	100
31-05	EMS 1ST RESPONDER	1724	.00	0	12068	19915.89	165	.00	20690	774.11	96
31-11	USDA MANAGE FOREST GRANT	0	.00	0	0	.00	0	.00	0	.00	0
31-15	AFRICAN AM MUSE-GR2111	0	.00	0	0	.00	0	.00	0	.00	0

FUND 001 GENERAL FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				
31-16 HTMOORE RESTOR-GR23HM		382	.00	0	2292	3403.50	149	.00	4204	800.50	81
31-17 RESILIENT FL-FDEP 24PLN48		6944	.00	0	37420	47851.10	128	12929.72	72135	11354.18	84
31-33 EMPLOYEE HEALTH CENTER		34768	12311.92	35	243376	200627.52	82	216593.48	417221	.00	100
31 ** PROFESSIONAL SERVICES		166553	95588.10	57	1043155	696319.33	67	867553.07	1875966	312093.60	83
32-00 ACCOUNTING & AUDITING		11860	30000.00	253	77493	30000.00	39	30800.00	136800	76000.00	44
32 ** ACCOUNTING & AUDITING		11860	30000.00	253	77493	30000.00	39	30800.00	136800	76000.00	44
34-00 CONTRACT SERVICES		148888	69791.28	47	1037869	771793.66	74	714666.30	1782426	295966.04	83
34-03 CUSTOMER SERVICE CONTRACT		285320	289748.14	102	1997240	1703854.33	85	.00	3423844	1719989.67	50
34-07 JANITORIAL CONTRACT SVS		0	.00	0	0	.00	0	.00	0	.00	0
34-09 MOWING CONTRACTS		36909	29652.65	80	257454	206098.55	80	215059.99	442000	20841.46	95
34-23 JAG 2022-22-GG-02810		0	.00	0	0	.00	0	.00	0	.00	0
34 ** CONTRACT SERVICES		471117	389192.07	83	3292563	2681746.54	81	929726.29	5648270	2036797.17	64
39-00 CONTINGENCY		30377	.00	0	201524	.00	0	.00	353406	353406.00	0
39-01 CONTINGENCY - FY21		20388	.00	0	101946	.00	0	.00	0	.00	0
39-02 CONTINGENCY - FY22		78684	.00	0	446586	.00	0	.00	840000	840000.00	0
39-15 WAGE AND SALARY		0	.00	0	0	.00	0	.00	0	.00	0
39-20 FUEL, OIL & LUBRICANTS		0	.00	0	0	.00	0	.00	0	.00	0
39 ** CONTINGENCY		88673	.00	0	750056	.00	0	.00	1193406	1193406.00	0
40-00 TRAVEL & PER DIEM		6974	6733.62	97	50385	17963.29	36	35.00	85313	67314.71	21
40-01 CAR ALLOWANCE		0	.00	0	0	.00	0	.00	0	.00	0
40-22 JAG-21-GG-01363		0	.00	0	0	.00	0	.00	0	.00	0
40-23 VOCA-2023-COCOA PD-00042		0	.00	0	0	.00	0	.00	0	.00	0
40 ** TRAVEL & PER DIEM		6974	6733.62	97	50385	17963.29	36	35.00	85313	67314.71	21
41-00 COMMUNICATION		26332	17575.77	67	181049	113224.55	63	193383.63	312736	6127.82	98
41-35 VOCA-2022-COCOA PD-00181		0	.00	0	0	.00	0	.00	0	.00	0

FUND 001 GENERAL FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				
41 **	COMMUNICATION	26332	17575.77	67	181049	113224.55	63	193383.63	312736	6127.82	98
42-00	POSTAGE & FREIGHT	47925	2254.10	5	335747	233463.16	70	309328.71	575495	32703.13	94
42 **	POSTAGE & FREIGHT	47925	2254.10	5	335747	233463.16	70	309328.71	575495	32703.13	94
43-00	ELECTRIC/WATER/SEWER	80971	58837.59	73	566797	379622.28	67	488376.17	971681	103682.55	89
43 **	ELECTRIC/WATER/SEWER	80971	58837.59	73	566797	379622.28	67	488376.17	971681	103682.55	89
44-00	RENTALS AND LEASES	5341	3509.45	66	36660	27925.65	76	29322.35	63398	6150.00	90
44 **	RENTALS AND LEASES	5341	3509.45	66	36660	27925.65	76	29322.35	63398	6150.00	90
45-00	INSURANCE	74255	.00	0	519785	674951.59	130	.00	891070	216118.41	76
45 **	INSURANCE	74255	.00	0	519785	674951.59	130	.00	891070	216118.41	76
46-00	REPAIRS & MAINTENANCE	113706	112099.26	99	792339	526004.56	66	215884.74	1360910	619020.70	55
46-02	REPAIR/MAINT BUILDING	62483	30828.38	49	422408	206629.15	49	93189.28	734834	435015.57	41
46-03	REPAIR/MAINT-VEHICLES	29991	16876.38	56	267129	202053.80	76	28884.05	417154	186216.15	55
46-04	HTMOORE RESTOR-GR23HM	11206	.00	0	69888	114259.63	164	.00	125920	11660.37	91
46-05	HYDRANT FEES	22515	22264.56	99	157605	155246.52	99	.00	270189	114942.48	58
46-15	INSURED VEHICLE ACCIDENT	0	.00	0	0	.00	0	.00	0	.00	0
46 **	REPAIRS & MAINTENANCE	239901	182068.58	76	1709369	1204193.66	70	337958.07	2909007	1366855.27	53
47-00	PRINTING & BINDING	15221	7002.00	46	105445	65620.65	62	88424.45	181613	27567.90	85
47 **	PRINTING & BINDING	15221	7002.00	46	105445	65620.65	62	88424.45	181613	27567.90	85
48-00	PROMOTIONAL ACTIVITIES	6110	4051.70	66	42740	24214.43	57	4339.34	73315	44761.23	39
48-01	JAG 24-GG-04542	184	.00	0	736	.00	0	.00	1653	1653.00	0
48-11	BUSINESS ASSIST. PROGRAM	41	.00	0	287	105.42	37	.00	500	394.58	21
48 **	PROMOTIONAL ACTIVITIES	6335	4051.70	64	43763	24319.85	56	4339.34	75468	46808.81	38
49-00	OTHER CHARGES & OBLIG.	28124	406.49	1	184730	87689.01	48	164919.53	325464	72855.46	78
49-02	ADVERTISING	116	.00	0	812	99.89	12	.00	1400	1300.11	7
49-06	BROWNFIELD PROG CITY COST	416	.00	0	2912	.00	0	.00	5000	5000.00	0

FUND 001 GENERAL FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				
49-07	BAD DEBT EXPENSE	0	6809.81-	0	0	23472.45-	0	.00	0	23472.45	0
49-08	CASH OVER/SHORT	0	7.17	0	0	377.05	0	.00	0	377.05-	0
49-21	PD INVESTIGATIVE FUNDS	2083	.00	0	14581	930.00	6	.00	25000	24070.00	4
49-23	COM CRIME PREV (SPOT)	0	.00	0	0	.00	0	.00	0	.00	0
49-31	OVERHEAD ALLOCATION	0	.00	0	0	.00	0	.00	0	.00	0
49 **	OTHER CHARGES & OBLIG.	30739	6396.15-	21-	203035	65623.50	32	164919.53	356864	126320.97	65
51-00	OFFICE SUPPLIES	4201	2526.38	60	29883	11062.57	37	.00	51018	39955.43	22
51-39	VOCA-2023-COCOA PD-00042	0	.00	0	0	.00	0	.00	0	.00	0
51 **	OFFICE SUPPLIES	4201	2526.38	60	29883	11062.57	37	.00	51018	39955.43	22
52-00	OPERATING SUPPLIES	106621	68260.21	64	771461	904754.68	117	102262.96	1304688	297670.36	77
52-02	UNIFORMS-PURCHASED	7410	1794.82	24	60300	23612.14	39	32601.73	97391	41177.13	58
52-05	EMS 1st RESP-CONSUM SUPP	6874	2077.63	30	47683	34902.12	73	21555.71	82054	25596.17	69
52-07	JANITORIAL SUPPLIES	4483	3732.85	83	31381	20499.74	65	.00	53830	33330.26	38
52-10	HEATING FUEL	474	346.44	73	3318	2782.09	84	2905.59	5688	.32	100
52-22	BULLET PROOF V 2020	0	.00	0	0	.00	0	.00	0	.00	0
52-23	BULLET PROOF VEST 2021	0	.00	0	0	.00	0	.00	0	.00	0
52-26	BULLET PROOF VEST 2022	0	.00	0	0	.00	0	.00	0	.00	0
52-30	FUEL OIL & LUBRICANTS	28149	19050.05	68	219679	114815.35	52	.00	360500	245684.65	32
52-33	EMPLOYEE HEALTH CENTER	15729	481.52	3	110103	65983.07	60	122766.93	188750	.00	100
52-35	VOCA-2022-COCOA PD-00181	0	.00	0	0	.00	0	.00	0	.00	0
52-36	FIREHOUSE SUBS - E-BIKES	0	.00	0	0	.00	0	.00	0	.00	0
52-37	JAG 23-GG-03233	0	.00	0	0	.00	0	.00	0	.00	0
52-38	BULLET PROOF VEST 2023	38	.00	0	228	415.92	182	.00	416	.08	100
52-39	VOCA-2023-COCOA PD-00042	0	.00	0	0	.00	0	.00	0	.00	0
52-40	BULLET PROOF VEST 2024	2412	.00	0	14472	11514.08	80	15011.92	26526	.00	100

FUND 001 GENERAL FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				
52 **	OPERATING SUPPLIES	172190	95743.52	56	1258625	1179279.19	94	297104.84	2119843	643458.97	70
53-00	ROAD MATERIALS/SUPPLIES	4056	3737.50	92	28392	13923.67	49	102.67	48675	34648.66	29
53 **	ROAD MATERIALS/SUPPLIES	4056	3737.50	92	28392	13923.67	49	102.67	48675	34648.66	29
54-00	MEMBERSHIP/PUBLICATIONS	13077	50.87	0	47918	19908.16	42	.00	113475	93566.84	18
54 **	MEMBERSHIP/PUBLICATIONS	13077	50.87	0	47918	19908.16	42	.00	113475	93566.84	18
55-00	TRAINING	15459	4517.08	29	107775	56212.25	52	25584.72	185181	103384.03	44
55-01	EDA PROGRAM	833	.00	0	5831	1565.53	27	2258.00	10000	6176.47	38
55-02	P/F HS RECRUITMENT	863	.00	0	5178	.00	0	9497.42	9497	.42-	100
55-22	JAG 21-GG-01363	0	.00	0	0	.00	0	.00	0	.00	0
55-35	VOCA-2022-COCOA PD-00181	0	.00	0	0	.00	0	.00	0	.00	0
55-36	VOCA-2023-COCOA PD-00042	0	.00	0	0	.00	0	.00	0	.00	0
55 **	TRAINING	17155	4517.08	26	118784	57777.78	49	37340.14	204678	109560.08	47
56-15	IT-RELATED OPERATING EXP	84868	12856.55	15	589814	560473.96	95	176098.05	1014243	277670.99	73
56-16	FL CYBERSECURITY	0	.00	0	0	.00	0	.00	0	.00	0
56 **	TECHNOLOGY SYSTEMS	84868	12856.55	15	589814	560473.96	95	176098.05	1014243	277670.99	73
57-99	OVERHEAD ALLOCATION	0	.00	0	0	.00	0	.00	0	.00	0
57 **	OVERHEAD ALLOCATION	0	.00	0	0	.00	0	.00	0	.00	0
58-97	LABOR	0	.00	0	0	.00	0	.00	0	.00	0
58 **	WORK ORDER CHARGES	0	.00	0	0	.00	0	.00	0	.00	0
59-00	DEPRECIATION EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
59 **	DEPRECIATION EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
61-00	LAND	59855	214300.00	358	156407	214300.00	137	.00	455679	241379.00	47
61 **	LAND	59855	214300.00	358	156407	214300.00	137	.00	455679	241379.00	47
62-00	BUILDINGS	0	.00	0	0	.00	0	.00	0	.00	0
62-33	EMPLOYEE HEALTH CENTER	0	.00	0	0	.00	0	.00	0	.00	0

FUND 001 GENERAL FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				
62 **	BUILDINGS	0	.00	0	0	.00	0	.00	0	.00	0
63-00	INFRASTRUCTURE	203349	588557.74	289	930322	603211.26	65	744421.37	1947071	599438.37	69
63-07	IMPROVE OTHER THAN BLDG	182186	.00	0	1049796	1084943.95	103	474421.27	1960726	401360.78	80
63-13	FIND BV-CO-20-146 BT RAMP	0	.00	0	0	.00	0	.00	0	.00	0
63-14	FIND BV-CO-20-147 DREDGIN	0	.00	0	0	.00	0	.00	0	.00	0
63-15	FIND BV-CO-21-152 DRGP II	0	.00	0	0	.00	0	.00	0	.00	0
63-16	FIND BV-CO-21-151 BT PII	0	.00	0	0	.00	0	.00	0	.00	0
63-17	FIND BV-CO-23-159 WTRF P1	0	.00	0	0	.00	0	.00	0	.00	0
63 **	INFRASTRUCTURE	385535	588557.74	153	1980118	1688155.21	85	1218842.64	3907797	1000799.15	74
64-00	MACHINERY & EQUIPMENT	390979	78737.50	20	2792654	1780951.49	64	2279076.62	4747558	687529.89	86
64-15	IT HARDWARE	36400	.00	0	175216	17320.65	10	3720.00	357210	336169.35	6
64-33	EMPLOYEE HEALTH CENTER	0	.00	0	0	.00	0	.00	0	.00	0
64-34	LEASED POSTAGE METER	0	.00	0	0	.00	0	.00	0	.00	0
64-60	SBITA INTANG ASSETS	0	.00	0	0	.00	0	.00	0	.00	0
64 **	MACHINERY AND EQUIPMENT	427379	78737.50	18	2967870	1798272.14	61	2282796.62	5104768	1023699.24	80
68-10	SFTWR & OTHER INTANGIBLES	0	.00	0	0	.00	0	.00	0	.00	0
68 **	INTANGIBLE ASSETS	0	.00	0	0	.00	0	.00	0	.00	0
71-00	DEBT SERVICE - PRINCIPAL	0	.00	0	0	.00	0	.00	0	.00	0
71-30	LEASE - COPIERS	4293	.00	0	30051	25730.54	86	25791.76	51523	.70	100
71-33	LEASED POSTAGE METER	372	.00	0	2604	2222.74	85	2252.26	4475	.00	100
71-60	SBITA - ESRI SGEA	0	.00	0	0	.00	0	.00	0	.00	0
71-61	SBITA - VERTEKS	0	.00	0	0	.00	0	.00	0	.00	0
71-62	SBITA - VERTEKS 5-9	0	.00	0	0	.00	0	.00	0	.00	0
71-63	SBITA - CLEARGOV	0	.00	0	0	.00	0	.00	0	.00	0
71-64	SBITA - VECTOR TGT SOL	0	.00	0	0	.00	0	.00	0	.00	0

FUND 001 GENERAL FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				
71-65	SBITA - NEOGOV	0	.00	0	0	.00	0	.00	0	.00	0
71-66	SBITA - BRAZOS (TYLR)	0	.00	0	0	.00	0	.00	0	.00	0
71-67	SBITA - SOCRATA (TYLR)	0	.00	0	0	.00	0	.00	0	.00	0
71-68	SBITA - KRONOS TELSTFF	0	.00	0	0	.00	0	.00	0	.00	0
71-69	SBITA - SAMSARA	2240	.00	0	15680	16195.39	103	10690.73	26887	.88	100
71-70	SBITA - DEBTBOOK	0	.00	0	0	.00	0	.00	0	.00	0
71-72	SBITA - BRIGHTLY ASSET	3262	.00	0	6524	22830.13	350	1.77	22831	.90	100
71 **	DEBT SERVICE - PRINCIPAL	10167	.00	0	54859	66978.80	122	38736.52	105716	.68	100
72-30	LEASE - COPIERS	14	.00	0	98	117.46	120	56.24	175	1.30	99
72-33	LEASED POSTAGE METER	45	.00	0	315	287.18	91	257.82	545	.00	100
72-60	SBITA - ESRI SGEA	0	.00	0	0	.00	0	.00	0	.00	0
72-61	SBITA - VERTEKS	0	.00	0	0	.00	0	.00	0	.00	0
72-62	SBITA - VERTEKS 5-9	0	.00	0	0	.00	0	.00	0	.00	0
72-63	SBITA - CLEARGOV	0	.00	0	0	.00	0	.00	0	.00	0
72-64	SBITA - VECTOR TRGT SOL	0	.00	0	0	.00	0	.00	0	.00	0
72-65	SBITA - NEOGOV	0	.00	0	0	.00	0	.00	0	.00	0
72-66	SBITA - BRAZOS (TYLR)	0	.00	0	0	.00	0	.00	0	.00	0
72-67	SBITA - SCORATA (TYLR)	0	.00	0	0	.00	0	.00	0	.00	0
72-68	SBITA - KRONOS TELSTFF	0	.00	0	0	.00	0	.00	0	.00	0
72-69	SBITA - SAMSARA	32	.00	0	224	323.22	144	70.50	394	.28	100
72-72	SBITA - BRIGHTLY ASSET	204	.00	0	408	1426.00	350	.00	1426	.00	100
72 **	DEBT SERVICE - INTEREST	295	.00	0	1045	2153.86	206	384.56	2540	1.58	100
73-00	OTHER DEBT SERVICE COSTS	3357	.00	0	13428	30213.37	225	.00	30214	.63	100
73 **	OTHER DEBT SERVICE COSTS	3357	.00	0	13428	30213.37	225	.00	30214	.63	100
81-00	AIDS TO GOVT AGENCY	139485	.00	0	976395	1673821.00	171	.00	1673821	.00	100

FUND 001 GENERAL FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				
81 **	AIDS TO GOVT AGENCY	139485	.00	0	976395	1673821.00	171	.00	1673821	.00	100
82-01	ECON DEV INCENTIVE CONTR	0	.00	0	0	.00	0	.00	0	.00	0
82 **	AID TO PRIVATE ORGANIZAT	0	.00	0	0	.00	0	.00	0	.00	0
83-00	OTHER GRANTS & AIDS	0	.00	0	0	.00	0	.00	0	.00	0
83-01	MISC GRANTS/DONATIONS	0	.00	0	0	.00	0	.00	0	.00	0
83-11	UPSTART COCOA PROGRAM	3541	.00	0	17287	5000.00	29	.00	35000	30000.00	14
83 **	OTHER GRANTS & AIDS	3541	.00	0	17287	5000.00	29	.00	35000	30000.00	14
91-03	TO CDBG (103)	0	.00	0	0	.00	0	.00	0	.00	0
91-04	TO HOME (104)	0	.00	0	0	.00	0	.00	0	.00	0
91-07	TO BLDG PERM(107)	0	.00	0	0	.00	0	.00	0	.00	0
91-08	TO SEC 108 LOAN (108)	0	.00	0	0	.00	0	.00	0	.00	0
91-10	TO COCOA CRA (110)	0	.00	0	0	.00	0	.00	0	.00	0
91-11	TO DIAMOND SQ (111)	0	.00	0	0	.00	0	.00	0	.00	0
91-12	TO US 1 CRA (112)	0	.00	0	0	.00	0	.00	0	.00	0
91-20	TO GF DEBT SVC (201)	99579	89368.76	90	761445	432403.32	57	.00	1259347	826943.68	34
91-21	TO WATER SEWER (421)	0	.00	0	0	.00	0	.00	0	.00	0
91-23	TO STORMWATER (423)	0	.00	0	0	.00	0	.00	0	.00	0
91-25	TO RESTRCTD ASSET (425)	0	.00	0	0	.00	0	.00	0	.00	0
91-26	TO W/S 2018B (426)	0	.00	0	0	.00	0	.00	0	.00	0
91-30	TO GF CAP PROJ (301)	0	.00	0	0	.00	0	.00	0	.00	0
91-32	TO RVRFRNT/LWP (302)	0	.00	0	0	.00	0	.00	0	.00	0
91-33	TO FISKE CAP PROJ (303)	0	.00	0	0	.00	0	.00	0	.00	0
91-52	TO W/C INS FUND (520)	0	.00	0	0	.00	0	.00	0	.00	0
91-53	TO HEALTH INS FUND (530)	0	.00	0	0	.00	0	.00	0	.00	0
91 **	INTERFUND TRANSFER	99579	89368.76	90	761445	432403.32	57	.00	1259347	826943.68	34

FUND 001 GENERAL FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				

FUND 001	TOTAL *****										
	GENERAL FUND	5280712	3932532.71	75	35927482	28753760.33	80	7496682.65	62334262	26083819.02	58
GRAND	TOTAL *****										
		5280712	3932532.71	75	35927482	28753760.33	80	7496682.65	62334262	26083819.02	58



FY 2025 Budget by Classification Report - Summary Listing

4/30/2025

Target for April 2025 is 58%

FUND 421 - WATER/SEWER FUND

	Amended Budget	YTD Encumbrances	YTD Actual Transactions	Budget - YTD Transactions	% Used/Rec'd
REVENUE					
CHARGES FOR SERVICES	\$ 79,722,196	\$ -	\$ 45,615,338	\$ 34,106,858	57%
INTERGOVERNMENTAL/GRANTS	\$ -	\$ -	\$ -	\$ -	0%
MISCELLANEOUS	\$ 1,212,128	\$ -	\$ 1,040,506	\$ 171,623	86%
*OTHER SOURCES (NON-REVENUE)	\$ 8,239,087	\$ -	\$ -	\$ 8,239,087	0%
REVENUE TOTALS	\$ 89,173,411	\$ -	\$ 46,655,843	\$ 42,517,568	52%
EXPENSE					
SALARIES AND BENEFITS	\$ 21,442,558	\$ -	\$ 9,682,376	\$ 11,760,182	45%
OPERATING EXPENDITURES	\$ 27,607,290	\$ 9,329,275	\$ 10,635,264	\$ 7,642,751	39%
CAPITAL OUTLAY	\$ 1,831,062	\$ 1,244,072	\$ 507,846	\$ 79,143	28%
GRANTS, AIDS AND OTHER	\$ 472,406	\$ 230,420	\$ 238,510	\$ 3,476	50%
NON-OPERATING USES	\$ 37,820,095	\$ -	\$ 27,365,942	\$ 10,454,153	72%
EXPENSE TOTALS	\$ 89,173,411	\$ 10,803,767	\$ 48,429,937	\$ 29,939,707	66%
REVENUE TOTALS	\$ 89,173,411	\$ -	\$ 46,655,843	\$ 42,517,568	52%
EXPENSE TOTALS	\$ 89,173,411	\$ 10,803,767	\$ 48,429,937	\$ 29,939,707	66%
**	\$ -	\$ (10,803,767)	\$ (1,774,094)	\$ 12,577,861	

*Fund Balance is a budgeted revenue, not actual revenue.

**Unaudited

CITY OF COCOA, FLORIDA

FUND 421 WATER/SEWER FUND		ACCOUNT	*****	CURRENT	*****	*****	YEAR-TO-DATE	*****	ANNUAL	UNREALIZED
ACCOUNT		DESCRIPTION	ESTIMATED	ACTUAL	%REV	ESTIMATED	ACTUAL	%REV	ESTIMATE	BALANCE
330		INTERGOVERNMENTAL REVENUE								
331		FEDERAL GRANTS								
	30 02	FDEM H0477 LS#1	0	.00		0	.00		0	.00
	50 01	FEDERAL DISASTER REIMB	0	85,260.43		0	85,260.43		0	85,260.43-
331	**	FEDERAL GRANTS	0	85,260.43		0	85,260.43		0	85,260.43-
334		STATE GRANT								
	50 01	STATE DISASTER REIMB	0	.00		0	.00		0	.00
334	**	STATE GRANT	0	.00		0	.00		0	.00
337		GRANTS FROM LOCAL UNITS								
	30 00	PHYSICAL ENVIRONMENT	0	.00		0	.00		0	.00
337	**	GRANTS FROM LOCAL UNITS	0	.00		0	.00		0	.00
330	***	INTERGOVERNMENTAL REVENUE	0	85,260.43		0	85,260.43		0	85,260.43-
340		CHARGES FOR SERVICES								
343		PHYSICAL ENVIRONMENT								
	30 10	EARNED NOT BILLED	0	.00		0	.00		0	.00
	31 00	WATER SALES	5,561,481	5,701,787.57	103	38,930,367	37,492,114.93	96	66,737,780	29,245,665.07
	33 00	WATER CONNECTION FEE	47,267	81,423.81	172	330,869	499,685.23	151	567,211	67,525.77
	36 00	WATER HYDRANT FEES	340,513	366,241.01	108	2,383,591	2,554,528.05	107	4,086,156	1,531,627.95
	39 06	HYDRANT RESID FLOW TEST	141	1,200.00	851	987	7,350.00	745	1,696	5,654.00-
	39 07	BACKFLOW DEVICE TEST	12,808	20,990.70	164	89,656	141,688.32	158	153,700	12,011.68
	39 08	JUMPER METERS	61	800.00	1312	427	1,600.00	375	742	858.00-
	39 09	PLAN REVIEW/CONST INSPECT	1,060	1,500.00	142	7,420	33,750.00	455	12,720	21,030.00-
	39 10	BACKFLOW PRV/RLCT TEMP	44	405.42	921	308	1,662.94	540	530	1,132.94-
	39 *	WATER OTHER INCOME	14,114	24,896.12	176	98,798	186,051.26	188	169,388	16,663.26-
	51 00	SEWER SALES	642,330	657,625.08	102	4,496,310	4,616,430.59	103	7,707,960	3,091,529.41
	51 10	EARNED NOT BILLED	0	.00		0	.00		0	.00
	51 *	SEWER SALES	642,330	657,625.08	102	4,496,310	4,616,430.59	103	7,707,960	3,091,529.41
	53 02	SEWER CONN INDIAN HILLS	0	.00		0	.00		0	.00
	59 01	GREASE TRAP PERMITS	547	866.25	158	3,829	5,827.84	152	6,572	744.16
	60 00	REUSE WATER SALES	36,642	37,258.37	102	256,494	254,733.06	99	439,709	184,975.94
	60 01	REUSE WATER INSTALLATION	618	301.00	49	4,326	5,967.00	138	7,420	1,453.00
	60 10	EARNED NOT BILLED	0	.00		0	.00		0	.00
	60 *	REUSE WATER SALES	37,260	37,559.37	101	260,820	260,700.06	100	447,129	186,428.94
	90 10	OTHER EARNED NOT BILLED	0	.00		0	.00		0	.00
343	**	PHYSICAL ENVIRONMENT	6,643,512	6,870,399.21	103	46,504,584	45,615,337.96	98	79,722,196	34,106,858.04
340	***	CHARGES FOR SERVICES	6,643,512	6,870,399.21		46,504,584	45,615,337.96		79,722,196	34,106,858.04

CITY OF COCOA, FLORIDA

FUND 421 WATER/SEWER FUND		ACCOUNT	*****	CURRENT	*****	*****	YEAR-TO-DATE	*****	ANNUAL	UNREALIZED
ACCOUNT		DESCRIPTION	ESTIMATED	ACTUAL	%REV	ESTIMATED	ACTUAL	%REV	ESTIMATE	BALANCE
360		MISCELLANEOUS REVENUES								
361		INTEREST & OTHER EARNINGS								
	10 00	INTEREST	0	3,882.30		0	29,992.43		0	29,992.43-
	10 02	INVESTMENT INTEREST	40,078	83,385.35	208	280,546	492,979.33	176	480,943	12,036.33-
	10 10	FLORIDA PRIME INTEREST	0	48,688.13		0	389,462.45		0	389,462.45-
	10 11	INTEREST/CBOS	0	.00		0	.00		0	.00
	10 *	INTEREST	40,078	135,955.78	339	280,546	912,434.21	325	480,943	431,491.21-
	30 00	NET INC/DEC FMV INVESTMNT	0	106,574.02		0	38,200.14		0	38,200.14-
	40 00	GAIN/(LOSS) SALE INVEST	0	15,184.05-		0	64,617.48-		0	64,617.48
	40 02	UNREALIZED GAIN/(LOSS)	0	.00		0	.00		0	.00
	40 *	GAIN/(LOSS) SALE INVEST	0	15,184.05-		0	64,617.48-		0	64,617.48
361	**	INTEREST & OTHER EARNINGS	40,078	227,345.75	567	280,546	886,016.87	316	480,943	405,073.87-
362	00 00	RENT AND ROYALTIES	108	.00		756	1,300.00	172	1,300	.00
362	**	RENT AND ROYALTIES	108	.00		756	1,300.00	172	1,300	.00
364	00 00	DISPOSITION FIXED ASSETS	0	.00		0	.00		0	.00
	10 00	DISPOSITION FIXED ASSETS	0	.00		0	.00		0	.00
		GAIN/(LOSS)SALE OF F/A	0	117.60		0	9,550.96		0	9,550.96-
364	**	DISPOSITION FIXED ASSETS	0	117.60		0	9,550.96		0	9,550.96-
365	00 00	SALE SURPLUS MTRLS &SCRAP	265	.00		1,855	1,986.86	107	3,180	1,193.14
365	**	SALE SURPLUS MTRLS &SCRAP	265	.00		1,855	1,986.86	107	3,180	1,193.14
369	90 00	OTHER MISC REVENUES	4,308	4,757.66-	110	30,156	63,412.57	210	51,705	11,707.57-
	90 06	SETTLEMENTS	112,500	.00		112,500	.00		675,000	675,000.00
	90 *	OTHER MISC REVENUES	116,808	4,757.66-	4	142,656	63,412.57	45	726,705	663,292.43
	96 00	INSURANCE REFUND/PROCEEDS	0	.00		0	78,238.24		0	78,238.24-
369	**	OTHER MISC REVENUES	116,808	4,757.66-	4	142,656	141,650.81	99	726,705	585,054.19
360	***	MISCELLANEOUS REVENUES	157,259	222,705.69		425,813	1,040,505.50		1,212,128	171,622.50
380		OTHER SOURCES(NON-REV)								
381	91 01	INTERFUND TRANSFER								
		GENERAL FUND (001)	0	.00		0	.00		0	.00

CITY OF COCOA, FLORIDA
REVENUE REPORT
58% OF YEAR LAPSED

ACCOUNTING PERIOD 07/2025

CITY OF COCOA, FLORIDA

FUND 421 WATER/SEWER FUND			*****			*****			*****			*****	
ACCOUNT DESCRIPTION			ESTIMATED	CURRENT ACTUAL	%REV	ESTIMATED	YEAR-TO-DATE ACTUAL	%REV	ANNUAL ESTIMATE	UNREALIZED BALANCE			
91 24	RENEW & REPLACE (424)		0	.00		0	.00		0	.00			
91 25	TRF FROM W/S REST (425)		0	.00		0	.00		0	.00			
91 26	TRF FROM W/S 2018B (426)		0	.00		0	.00		0	.00			
91 27	TRF FROM W/S RESRVS (425)		0	.00		0	.00		0	.00			
91 42	W/S IMPACT FEE (422)		0	.00		0	.00		0	.00			
91 52	TRF FROM WORK COMP (520)		0	.00		0	.00		0	.00			
91 *	TRANSFER FROM		0	.00		0	.00		0	.00			
381 **	INTERFUND TRANSFER		0	.00		0	.00		0	.00			
383 10 00	INSTLMT PURCH/CAP LEASE LEASE PROCEEDS		0	.00		0	.00		0	.00			
383 **	INSTLMT PURCH/CAP LEASE		0	.00		0	.00		0	.00			
389 30 01	NON OPERATING SOURCES SRF LOAN PROCEEDS		0	.00		0	.00		0	.00			
85 00	CAP CONTRIB PRIVATE SRCS		0	.00		0	.00		0	.00			
99 10	CASH CARRY FORWARD		0	.00		0	.00		0	.00			
99 11	RESTR. CASH CARRY FORWARD		0	.00		0	.00		0	.00			
99 50	FUND BAL-APPROP. RESERVES		661,605	.00		4,931,060	.00		8,239,087	8,239,087.00			
99 *	BALANCE FORWARD		661,605	.00		4,931,060	.00		8,239,087	8,239,087.00			
389 **	NON OPERATING SOURCES		661,605	.00		4,931,060	.00		8,239,087	8,239,087.00			
380 ***	OTHER SOURCES(NON-REV)		661,605	.00		4,931,060	.00		8,239,087	8,239,087.00			
FUND TOTAL	WATER/SEWER FUND		7,462,376	7,178,365.33		51,861,457	46,741,103.89		89,173,411	42,432,307.11			
GRAND TOTAL			7,462,376	7,178,365.33		51,861,457	46,741,103.89		89,173,411	42,432,307.11			

FUND 421 WATER/SEWER FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				
11-00	EXECUTIVE SALARIES	15127	13819.21	91	105889	96043.46	91	.00	181529	85485.54	53
11 **	EXECUTIVE SALARIES	15127	13819.21	91	105889	96043.46	91	.00	181529	85485.54	53
12-00	REGULAR SALARIES & WAGES	1040184	776740.26	75	7227830	5405107.59	75	.00	12428817	7023709.41	44
12-10	SALARY ADJUSTMENTS	0	.00	0	0	.00	0	.00	0	.00	0
12-12	ACCRUAL PAYOUTS	3701	499.92	14	10069	30443.98	302	.00	28571	1872.98	- 107
12-15	SETTLEMENT WAGES	0	.00	0	0	.00	0	.00	0	.00	0
12 **	REGULAR SALARIES & WAGES	1043885	777240.18	75	7237899	5435551.57	75	.00	12457388	7021836.43	44
13-00	OTHER SALARIES & WAGES	54528	45418.82	83	437226	311088.66	71	.00	709910	398821.34	44
13 **	OTHER SALARIES & WAGES	54528	45418.82	83	437226	311088.66	71	.00	709910	398821.34	44
14-00	OVERTIME	63087	71906.99	114	436119	620265.65	142	.00	751592	131326.35	83
14-01	COMP TIME	0	.00	0	0	.00	0	.00	0	.00	0
14 **	OVERTIME	63087	71906.99	114	436119	620265.65	142	.00	751592	131326.35	83
15-00	SPECIAL PAY	0	.00	0	0	.00	0	.00	0	.00	0
15 **	SPECIAL PAY	0	.00	0	0	.00	0	.00	0	.00	0
20-00	CLOTHING/SHOE ALLOWANCE	2017	970.00	48	13119	23569.10	180	.00	23225	344.10	- 102
20 **	CLOTHING/SHOE ALLOWANCE	2017	970.00	48	13119	23569.10	180	.00	23225	344.10	- 102
21-00	FICA TAXES	80230	68479.55	85	560008	488609.31	87	.00	961198	472588.69	51
21 **	FICA TAXES	80230	68479.55	85	560008	488609.31	87	.00	961198	472588.69	51
22-00	RETIREMENT CONTRIBUTIONS	154706	132172.46	85	1080410	1000817.94	93	.00	1854009	853191.06	54
22-01	POLICE/FIRE	0	.00	0	0	.00	0	.00	0	.00	0
22-03	NON FRS RETIREMENT CONT	463	351.44	76	3241	2917.17	90	.00	5564	2646.83	52
22 **	RETIREMENT CONTRIBUTIONS	155169	132523.90	85	1083651	1003735.11	93	.00	1859573	855837.89	54
23-00	INSURANCES	2753	2238.96	81	19262	14408.79	75	.00	33075	18666.21	44
23-02	RETIREEES OTHER INSURANCES	13150	7826.80	60	92050	76091.72	83	.00	157806	81714.28	48
23-03	CONTRA CIGNA SAVINGS	0	.00	0	0	.00	0	.00	0	.00	0

FUND 421 WATER/SEWER FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				
23-04	MEDICAL/RX SELF INSURED	281638	204162.71	73	1970683	1312812.67	67	.00	3378907	2066094.33	39
23-05	HEALTH RETIREES 50%	1988	975.08	49	13916	4387.86	32	.00	23856	19468.14	18
23-06	HEALTH RETIREES 100%	3976	3894.52	98	27832	30186.88	109	.00	47712	17525.12	63
23-07	DENTAL INSURANCE	13234	8607.40	65	92608	55826.65	60	.00	158816	102989.35	35
23-08	VISION INSURANCE	2567	1561.88	61	17939	10131.75	57	.00	30803	20671.25	33
23-09	LONG TERM DISABILITY	2821	2571.96	91	19741	16538.37	84	.00	33908	17369.63	49
23-10	FSA HEALTH	0	.00	0	0	.00	0	.00	0	.00	0
23-11	FSA CHILDCARE	0	.00	0	0	.00	0	.00	0	.00	0
23-99	OPEB HEALTH EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
23 **	INSURANCES	322127	231839.31	72	2254031	1520384.69	68	.00	3864883	2344498.31	39
24-00	WORKER'S COMPENSATION	38737	15224.15	39	271132	109123.16	40	.00	464860	355736.84	24
24 **	WORKER'S COMPENSATION	38737	15224.15	39	271132	109123.16	40	.00	464860	355736.84	24
25-00	UNEMPLOYMENT COMPENSATION	833	.00	0	5831	.00	0	.00	10000	10000.00	0
25 **	UNEMPLOYMENT COMPENSATION	833	.00	0	5831	.00	0	.00	10000	10000.00	0
26-00	OPEB HEALTH EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
26 **	OPEB HEALTH EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
27-00	BENEFIT OFFSET	13200	11400.00	86	92400	74005.05	80	.00	158400	84394.95	47
27 **	BENEFIT OFFSET	13200	11400.00	86	92400	74005.05	80	.00	158400	84394.95	47
31-00	PROFESSIONAL SERVICES	18579	.00	0	129608	25831.00	20	129266.50	222532	67434.50	70
31-01	LEGAL EXPENSES	47184	36192.55	77	319778	88936.30	28	52215.07	555690	414538.63	25
31-02	MEDICAL SERVICES	0	.00	0	0	.00	0	.00	0	.00	0
31-03	ENGINEERING SERVICES	243779	91857.19	38	1591761	982165.81	62	1805066.82	2810665	23432.37	99
31-27	TCR PROJECT-COCOA	22571	1605.87	7	157997	4217.05	3	266629.94	270847	.01	100
31-33	EMPLOYEE HEALTH CENTER	0	.00	0	0	.00	0	.00	0	.00	0
31 **	PROFESSIONAL SERVICES	332113	129655.61	39	2199144	1101150.16	50	2253178.33	3859734	505405.51	87

FUND 421 WATER/SEWER FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				
32-00	ACCOUNTING & AUDITING	0	.00	0	0	.00	0	.00	0	.00	0
32 **	ACCOUNTING & AUDITING	0	.00	0	0	.00	0	.00	0	.00	0
34-00	CONTRACT SERVICES	165761	70060.04	42	1219611	373174.15	31	407058.87	2048472	1268238.98	38
34-09	MOWING CONTRACTS	0	.00	0	0	.00	0	.00	0	.00	0
34-10	COST OF GENERAL FUND SVCS	0	.00	0	0	.00	0	.00	0	.00	0
34 **	CONTRACT SERVICES	165761	70060.04	42	1219611	373174.15	31	407058.87	2048472	1268238.98	38
39-00	CONTINGENCY	94700	.00	0	662900	.00	0	.00	1136400	1136400.00	0
39-02	BOND RESERVE	0	.00	0	0	.00	0	.00	0	.00	0
39-15	WAGE AND SALARY	0	.00	0	0	.00	0	.00	0	.00	0
39 **	CONTINGENCY	94700	.00	0	662900	.00	0	.00	1136400	1136400.00	0
40-00	TRAVEL AND PER DIEM	1310	1308.46	100	9170	3638.40	40	.00	15748	12109.60	23
40-01	CAR ALLOWANCE	0	.00	0	0	.00	0	.00	0	.00	0
40 **	TRAVEL AND PER DIEM	1310	1308.46	100	9170	3638.40	40	.00	15748	12109.60	23
41-00	COMMUNICATION	17274	15612.73	90	120917	110135.72	91	96159.36	207319	1023.92	100
41 **	COMMUNICATION	17274	15612.73	90	120917	110135.72	91	96159.36	207319	1023.92	100
42-00	FREIGHT & POSTAGE SERVICE	1148	270.62	24	7868	1951.74	25	.00	13640	11688.26	14
42 **	FREIGHT & POSTAGE SERVICE	1148	270.62	24	7868	1951.74	25	.00	13640	11688.26	14
43-00	ELECTRIC/WATER/SEWER	203402	176014.62	87	1423814	1008981.34	71	1396017.00	2440835	35836.66	99
43 **	ELECTRIC/WATER/SEWER	203402	176014.62	87	1423814	1008981.34	71	1396017.00	2440835	35836.66	99
44-00	RENTAL AND LEASES	3141	.00	0	21987	10070.82	46	6950.00	37715	20694.18	45
44-21	DUKE ENERGY-GENERATOR	0	.00	0	0	.00	0	.00	0	.00	0
44 **	RENTAL AND LEASES	3141	.00	0	21987	10070.82	46	6950.00	37715	20694.18	45
45-00	INSURANCE	108436	.00	0	759052	971866.06	128	.00	1301232	329365.94	75
45 **	INSURANCE	108436	.00	0	759052	971866.06	128	.00	1301232	329365.94	75
46-00	REPAIRS & MAINTENANCE	542710	512945.33	95	3718896	2685562.96	72	1078929.35	6432489	2667996.69	59

FUND 421 WATER/SEWER FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				
46-02	REPAIR/MAINT BUILDING	40264	6384.49	16	324415	183562.33	57	3674.67	525757	338520.00	36
46-03	REPAIR/MAINT-VEHICLES	26626	1490.22	6	186382	161583.89	87	.00	319564	157980.11	51
46-15	INSURED VEHICLE ACCIDENT	0	.00	0	0	.00	0	.00	0	.00	0
46 **	REPAIRS & MAINTENANCE	609600	520820.04	85	4229693	3030709.18	72	1082604.02	7277810	3164496.80	57
47-00	PRINTING & BINDING	3084	.00	0	19424	28027.20	144	.00	34876	6848.80	80
47 **	PRINTING & BINDING	3084	.00	0	19424	28027.20	144	.00	34876	6848.80	80
48-00	PROMOTIONAL ACTIVITIES	2083	150.00	7	14581	5453.79	37	850.00	25000	18696.21	25
48 **	PROMOTIONAL ACTIVITIES	2083	150.00	7	14581	5453.79	37	850.00	25000	18696.21	25
49-00	OTHER CHARGES & OBLIG.	22792	10750.14	47	54868	94515.34	172	500.00	168865	73849.66	56
49-02	ADVERTISING	0	.00	0	0	.00	0	.00	0	.00	0
49-07	BAD DEBT EXPENSE	0	3808.66-	0	0	29253.11-	0	.00	0	29253.11	0
49-08	CASH OVER & UNDER	0	.00	0	0	35.93	0	.00	0	35.93-	0
49-09	DOCUMENT RECORDING CHGS	500	241.00-	48-	3500	1559.00-	45-	3879.00	6000	3680.00	39
49-15	OBSOLETE INVENTORY	0	.00	0	0	.00	0	.00	0	.00	0
49-17	DAMAGED INVENTORY	0	.00	0	0	.00	0	.00	0	.00	0
49-31	OVERHEAD ALLOCATION	0	.00	0	0	.00	0	.00	0	.00	0
49 **	OTHER CHARGES & OBLIG.	23292	6700.48	29	58368	63739.16	109	4379.00	174865	106746.84	39
51-00	OFFICE SUPPLIES	2109	597.32	28	14763	5949.98	40	.00	25354	19404.02	24
51 **	OFFICE SUPPLIES	2109	597.32	28	14763	5949.98	40	.00	25354	19404.02	24
52-00	OPERATING SUPPLIES	64340	105797.55	164	450779	483273.64	107	107819.46	772515	181421.90	77
52-02	UNIFORMS-PURCHASED	133	.00	0	532	927.00	174	.00	1200	273.00	77
52-07	JANITORIAL SUPPLIES	769	849.76	111	5383	6169.38	115	.00	9240	3070.62	67
52-09	CHEMICALS	582596	459894.06	79	4152500	2987331.82	72	3954335.62	7065491	123823.56	98
52-30	FUEL OIL & LUBRICANTS	53246	26119.72	49	372722	150352.04	40	1241.89	639010	487416.07	24
52-33	EMPLOYEE HEALTH CENTER	0	.00	0	0	.00	0	.00	0	.00	0

FUND 421 WATER/SEWER FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				

52 **	OPERATING SUPPLIES	701084	592661.09	85	4981916	3628053.88	73	4063396.97	8487456	796005.15	91
53-00	ROAD MATERIALS/SUPPLIES	3748	.00	0	26236	.00	0	100.00	45000	44900.00	0
53 **	ROAD MATERIALS/SUPPLIES	3748	.00	0	26236	.00	0	100.00	45000	44900.00	0
54-00	MEMBERSHIP/PUBLICATIONS	3416	450.00	13	23912	34799.40	146	.00	41031	6231.60	85
54 **	MEMBERSHIP/PUBLICATIONS	3416	450.00	13	23912	34799.40	146	.00	41031	6231.60	85
55-00	TRAINING	11444	3577.00	31	64788	22003.11	34	15769.06	122064	84291.83	31
55-01	EDA PROGRAM	416	.00	0	2912	.00	0	.00	5000	5000.00	0
55 **	TRAINING	11860	3577.00	30	67700	22003.11	33	15769.06	127064	89291.83	30
56-00	TECHNOLOGY SYSTEMS	0	.00	0	0	.00	0	.00	0	.00	0
56-15	IT-RELATED OPERATING EXP	25734	989.65	4	179028	235559.69	132	2812.13	307739	69367.18	78
56 **	TECHNOLOGY SYSTEMS	25734	989.65	4	179028	235559.69	132	2812.13	307739	69367.18	78
59-00	DEPRECIATION EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
59 **	DEPRECIATION EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
61-00	LAND	0	.00	0	0	.00	0	.00	0	.00	0
61 **	LAND	0	.00	0	0	.00	0	.00	0	.00	0
62-00	BUILDINGS	0	.00	0	0	.00	0	.00	0	.00	0
62 **	BUILDINGS	0	.00	0	0	.00	0	.00	0	.00	0
63-00	INFRASTRUCTURE	9562-	6473.70	68-	447316	45750.30	10	774079.13	399515	420314.43-	205
63-06	FDEM H0477 LS#1	0	.00	0	0	.00	0	.00	0	.00	0
63-07	IMPROVE OTHER THAN BLDG	0	.00	0	0	.00	0	.00	0	.00	0
63 **	INFRASTRUCTURE	9562-	6473.70	68-	447316	45750.30	10	774079.13	399515	420314.43-	205
64-00	MACHINERY & EQUIPMENT	94022	16609.68	18	490270	456576.53	93	326550.82	960402	177274.65	82
64-15	IT HARDWARE	39447	.00	0	273901	5519.50	2	143442.54	471145	322182.96	32
64-60	SBITA INTANG ASSETS	0	.00	0	0	.00	0	.00	0	.00	0
64 **	MACHINERY & EQUIPMENT	133469	16609.68	12	764171	462096.03	61	469993.36	1431547	499457.61	65

FUND 421 WATER/SEWER FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				

65-00	CONSTRUCTION IN PROGRESS	0	.00	0	0	.00	0	.00	0	.00	0
65 **	CONSTRUCTION IN PROGRESS	0	.00	0	0	.00	0	.00	0	.00	0
68-10	SFTWR & OTHER INTANGIBLES	0	.00	0	0	.00	0	.00	0	.00	0
68 **	INTANGIBLE ASSETS	0	.00	0	0	.00	0	.00	0	.00	0
69-99	CONTRA FIXED ASSETS	0	.00	0	0	.00	0	.00	0	.00	0
69 **	PROPRIETARY FUNDS	0	.00	0	0	.00	0	.00	0	.00	0
71-20	SERIES 2020	0	.00	0	0	.00	0	.00	0	.00	0
71-32	LEASED ASSET-GENERATOR	29131	29095.36	100	203917	173513.67	85	176068.60	349583	.73	100
71-33	SBITA ACCRUENT CMMS	0	.00	0	0	.00	0	.00	0	.00	0
71-34	SBITA ESRI ARCGIS	0	.00	0	0	.00	0	.00	0	.00	0
71-35	SBITA - SAMSARA	2827	.00	0	19789	20437.04	103	13490.68	33928	.28	100
71-36	SBITA - DEBTBOOK	0	.00	0	0	.00	0	.00	0	.00	0
71-74	ESRI ARCGIS	0	.00	0	0	.00	0	.00	0	.00	0
71 **	PRINCIPAL	31958	29095.36	91	223706	193950.71	87	189559.28	383511	1.01	100
72-32	LEASED ASSET-GENERATOR	7008	7044.64	101	49056	43326.33	88	40771.41	84098	.26	100
72-33	SBITA - ACCRNT CMMS	0	.00	0	0	.00	0	.00	0	.00	0
72-34	SBITA ESRI ARCGIS	0	.00	0	0	.00	0	.00	0	.00	0
72-35	SBITA - SAMSARA	41	.00	0	287	407.85	142	88.99	497	.16	100
72-36	SBITA - DEBTBOOK	0	.00	0	0	.00	0	.00	0	.00	0
72-74	SBITA - ESRI ARCGIS	0	.00	0	0	.00	0	.00	0	.00	0
72 **	DEBT SERVICE - INTEREST	7049	7044.64	100	49343	43734.18	89	40860.40	84595	.42	100
73-00	OTHER DEBT SERVICE COST	275	.00	0	1925	825.00	43	.00	3300	2475.00	25
73-32	GENERATOR AMORT	0	.00	0	0	.00	0	.00	0	.00	0
73-33	SBITA ASSETS	0	.00	0	0	.00	0	.00	0	.00	0
73 **	INTANG AMORT EXP	275	.00	0	1925	825.00	43	.00	3300	2475.00	25

FUND 421 WATER/SEWER FUND		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				
82-00	AID TO PRIVATE ORGANIZAT	167	.00	0	167	.00	0	.00	1000	1000.00	0
82-01	ECON DEV INCENTIVE CONTR	0	.00	0	0	.00	0	.00	0	.00	0
82 **	AID TO PRIVATE ORGANIZAT	167	.00	0	167	.00	0	.00	1000	1000.00	0
91-01	TO GENERAL FUND (001)	0	.00	0	0	.00	0	.00	0	.00	0
91-02	TO GEN FUND ROI (001)	654056	654056.92	100	4578392	4578398.44	100	.00	7848683	3270284.56	58
91-23	TO STORMWATER (423)	0	.00	0	0	.00	0	.00	0	.00	0
91-24	TRANSFER TO R & R (424)	1174899	.00	0	7690927	13037319.00	170	.00	13565432	528113.00	96
91-25	TO RESTRCTD ASSET (425)	523118	486547.09	93	3655146	3838004.41	105	.00	6270746	2432741.59	61
91-26	TO W/S 2018B (426)	0	.00	0	0	.00	0	.00	0	.00	0
91-27	TO TCR/SJR PROJ (427)	0	.00	0	0	.00	0	.00	0	.00	0
91-30	TO GF CAP PROJ (301)	0	.00	0	0	.00	0	.00	0	.00	0
91-42	IMPACT FEES FUND (422)	0	.00	0	0	.00	0	.00	0	.00	0
91-52	TO W/C INS FUND (520)	0	.00	0	0	.00	0	.00	0	.00	0
91-53	TO HEALTH INS FUND (530)	0	.00	0	0	.00	0	.00	0	.00	0
91 **	INTERFUND TRANSFER	2352073	1140604.01	49	15924465	21453721.85	135	.00	27684861	6231139.15	78
94-01	TXFR TO GF OH ALLOC (001)	697361	697361.67	100	4881527	4881531.69	100	.00	8368340	3486808.31	58
94 **	INTERFUND TRANSFER	697361	697361.67	100	4881527	4881531.69	100	.00	8368340	3486808.31	58
95-01	TXFR TO GF 6% PLOFF (001)	147241	147241.17	100	1030687	1030688.19	100	.00	1766894	736205.81	58
95 **	NONOPERATING	147241	147241.17	100	1030687	1030688.19	100	.00	1766894	736205.81	58
FUND 421	TOTAL *****										
	WATER/SEWER FUND	7462266	4932120.00	66	51860696	48429937.49	93	10803766.91	89173411	29939706.60	66
GRAND	TOTAL *****										
		7462266	4932120.00	66	51860696	48429937.49	93	10803766.91	89173411	29939706.60	66



FY 2025 Budget by Classification Report - Summary Listing

4/30/2025

Target for April 2025 is 58%

FUND 423 - STORMWATER FUND

	Amended Budget	YTD Encumbrances	YTD Actual Transactions	Budget - YTD Transactions	% Used/Rec'd
REVENUE					
*STORMWATER ASSESSMENT	\$ 2,299,404	\$ -	\$ 2,127,623	\$ 171,781	93%
CHARGES FOR SERVICES	\$ -	\$ -	\$ -	\$ -	0%
INTERGOVERNMENTAL/GRANT	\$ 51,222	\$ -	\$ (68,778)	\$ 120,000	-134%
MISCELLANEOUS	\$ -	\$ -	\$ 114,532	\$ (114,532)	0%
**OTHER SOURCES (NON-REVENUE)	\$ 608,612	\$ -	\$ -	\$ 608,612	0%
REVENUE TOTALS	\$ 2,959,238	-	\$ 2,173,377	\$ 785,861	73%
EXPENSE					
SALARIES AND BENEFITS	\$ 638,667	\$ -	\$ 305,312	\$ 333,355	48%
OPERATING EXPENDITURES	\$ 751,537	\$ 175,794	\$ 267,101	\$ 308,642	36%
CAPITAL OUTLAY	\$ 1,238,307	\$ 371,452	\$ 802,512	\$ 64,342	65%
OTHER SOURCES (NON-REVENUE)	\$ 2,599	\$ 1,025	\$ 1,573	\$ 1	61%
NON-OPERATING USES	\$ 328,128	\$ -	\$ 191,408	\$ 136,720	58%
EXPENSE TOTALS	\$ 2,959,238	\$ 548,272	\$ 1,567,906	\$ 843,060	72%
REVENUE TOTALS	\$ 2,959,238	\$ -	\$ 2,173,377	\$ 785,861	73%
EXPENSE TOTALS	\$ 2,959,238	\$ 548,272	\$ 1,567,906	\$ 843,060	72%
	\$ -	\$ (548,272)	\$ 605,471	\$ (57,199)	

*Stormwater Assessment Revenues come in November-March

FUND 423 STORMWATER UTILITY		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				

12-00	REGULAR SALARIES & WAGES	29514	23175.44	79	218046	161775.15	74	.00	365629	203853.85	44
12-10	SALARY ADJUSTMENTS	0	.00	0	0	.00	0	.00	0	.00	0
12-12	ACCRUAL PAYOUTS	0	.00	0	0	.00	0	.00	0	.00	0
12 **	REGULAR SALARIES & WAGES	29514	23175.44	79	218046	161775.15	74	.00	365629	203853.85	44
13-00	OTHER SALARIES & WAGES	2813	5692.80	202	8439	32809.92	389	.00	22502	10307.92-	146
13 **	OTHER SALARIES & WAGES	2813	5692.80	202	8439	32809.92	389	.00	22502	10307.92-	146
14-00	OVERTIME	583	1144.76	196	4081	7952.35	195	.00	7000	952.35-	114
14-01	COMP TIME	0	.00	0	0	.00	0	.00	0	.00	0
14 **	OVERTIME	583	1144.76	196	4081	7952.35	195	.00	7000	952.35-	114
15-00	SPECIAL PAY	0	.00	0	0	.00	0	.00	0	.00	0
15 **	SPECIAL PAY	0	.00	0	0	.00	0	.00	0	.00	0
20-00	CLOTHING/SHOE ALLOWANCE	89	.00	0	427	700.00	164	.00	870	170.00	81
20 **	CLOTHING/SHOE ALLOWANCE	89	.00	0	427	700.00	164	.00	870	170.00	81
21-00	FICA TAXES	2445	2230.70	91	17115	15177.55	89	.00	29346	14168.45	52
21 **	FICA TAXES	2445	2230.70	91	17115	15177.55	89	.00	29346	14168.45	52
22-00	RETIREMENT CONTRIBUTIONS	4413	4090.77	93	30891	27906.45	90	.00	52956	25049.55	53
22-01	GASB68 PENS EXP	0	.00	0	0	.00	0	.00	0	.00	0
22 **	RETIREMENT CONTRIBUTIONS	4413	4090.77	93	30891	27906.45	90	.00	52956	25049.55	53
23-00	INSURANCES	82	65.40	80	574	427.44	75	.00	990	562.56	43
23-03	CONTRA CIGNA SAVINGS	0	.00	0	0	.00	0	.00	0	.00	0
23-04	MEDICAL	7925	6372.49	80	55475	41387.33	75	.00	95105	53717.67	44
23-07	DENTAL INSURANCE	326	238.06	73	2282	1545.50	68	.00	3920	2374.50	39
23-08	VISION INSURANCE	53	43.08	81	371	279.08	75	.00	644	364.92	43
23-09	LONG TERM DISABILITY	83	74.06	89	581	483.06	83	.00	1003	519.94	48
23-10	FSA HEALTH	0	.00	0	0	.00	0	.00	0	.00	0

FUND 423 STORMWATER UTILITY		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				

23-11	FSA CHILDCARE	0	.00	0	0	.00	0	.00	0	.00	0
23-99	OPEB HEALTH EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
23 **	INSURANCES	8469	6793.09	80	59283	44122.41	74	.00	101662	57539.59	43
24-00	WORKER'S COMPENSATION	4391	1783.08	41	30737	12928.28	42	.00	52702	39773.72	25
24 **	WORKER'S COMPENSATION	4391	1783.08	41	30737	12928.28	42	.00	52702	39773.72	25
26-00	OPEB HEALTH EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
26 **	OPEB HEALTH EXPENSE	0	.00	0	0	.00	0	.00	0	.00	0
27-00	BENEFIT OFFSET	500	300.00	60	3500	1940.21	55	.00	6000	4059.79	32
27 **	BENEFIT OFFSET	500	300.00	60	3500	1940.21	55	.00	6000	4059.79	32
31-00	PROFESSIONAL SERVICES	15896	.00	0	111217	8559.66	8	42528.01	190700	139612.33	27
31-01	LEGAL EXPENSES	41	500.00	1220	287	500.00	174	.00	500	.00	100
31-33	EMPLOYEE HEALTH CENTER	0	.00	0	0	.00	0	.00	0	.00	0
31 **	PROFESSIONAL SERVICES	15937	500.00	3	111504	9059.66	8	42528.01	191200	139612.33	27
34-00	CONTRACT SERVICES	22250	58882.14	265	155750	170398.97	109	73064.77	267002	23538.26	91
34-10	COST OF GENERAL FUND SVCS	0	.00	0	0	.00	0	.00	0	.00	0
34 **	CONTRACT SERVICES	22250	58882.14	265	155750	170398.97	109	73064.77	267002	23538.26	91
39-00	CONTINGENCY	1808	.00	0	29449	.00	0	.00	38503	38503.00	0
39 **	CONTINGENCY	1808	.00	0	29449	.00	0	.00	38503	38503.00	0
40-00	TRAVEL & PER DIEM	237	17.46	7	1659	78.54	5	.00	2850	2771.46	3
40 **	TRAVEL & PER DIEM	237	17.46	7	1659	78.54	5	.00	2850	2771.46	3
41-00	COMMUNICATION	173	45.44	26	1211	318.07	26	1757.93	2076	.00	100
41 **	COMMUNICATION	173	45.44	26	1211	318.07	26	1757.93	2076	.00	100
42-00	POSTAGE & FREIGHT	41	19.05	47	287	28.73	10	.00	500	471.27	6
42 **	POSTAGE & FREIGHT	41	19.05	47	287	28.73	10	.00	500	471.27	6
43-00	ELECTRIC/WATER/SEWER	1333	1352.06	101	9331	7954.53	85	7454.07	16000	591.40	96

FUND 423 STORMWATER UTILITY		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				

43 **	ELECTRIC/WATER/SEWER	1333	1352.06	101	9331	7954.53	85	7454.07	16000	591.40	96
44-00	RENTALS AND LEASES	250	.00	0	1750	170.78	10	.00	3000	2829.22	6
44 **	RENTALS AND LEASES	250	.00	0	1750	170.78	10	.00	3000	2829.22	6
45-00	INSURANCE	1256	.00	0	8792	11339.51	129	.00	15072	3732.49	75
45 **	INSURANCE	1256	.00	0	8792	11339.51	129	.00	15072	3732.49	75
46-00	REPAIRS & MAINTENANCE	10841	3264.33	30	59087	18900.86	32	46854.11	113300	47545.03	58
46-02	REPAIR/MAINT BUILDING	0	.00	0	0	.00	0	.00	0	.00	0
46-03	REPAIR/MAINT-VEHICLES	3840	.00	0	26880	26308.76	98	.57	46090	19780.67	57
46-15	INSURED VEHICLE ACCIDENT	0	.00	0	0	.00	0	.00	0	.00	0
46 **	REPAIRS & MAINTENANCE	14681	3264.33	22	85967	45209.62	53	46854.68	159390	67325.70	58
47-00	PRINTING & BINDING	41	.00	0	287	.00	0	.00	500	500.00	0
47 **	PRINTING & BINDING	41	.00	0	287	.00	0	.00	500	500.00	0
49-00	OTHER CHARGES & OBLIG.	43	35.93	84	301	173.12	58	.00	517	343.88	34
49-02	ADVERTISING	0	.00	0	0	.00	0	.00	0	.00	0
49-07	BAD DEBT EXPENSE	0	176.14-	0	0	597.63-	0	.00	0	597.63	0
49-15	OBSOLETE INVENTORY	0	.00	0	0	.00	0	.00	0	.00	0
49-31	OVERHEAD ALLOCATION	0	.00	0	0	.00	0	.00	0	.00	0
49 **	OTHER CHARGES & OBLIG.	43	140.21-	326-	301	424.51-	141-	.00	517	941.51	82-
51-00	OFFICE SUPPLIES	41	.00	0	287	142.62	50	.00	500	357.38	29
51 **	OFFICE SUPPLIES	41	.00	0	287	142.62	50	.00	500	357.38	29
52-00	OPERATING SUPPLIES	1073	1664.02	155	7360	9468.22	129	4134.84	12729	874.06-	107
52-02	UNIFORMS-PURCHASED	0	.00	0	0	.00	0	.00	0	.00	0
52-07	JANITORIAL SUPPLIES	0	.00	0	0	.00	0	.00	0	.00	0
52-30	FUEL OIL & LUBRICANTS	2602	1607.35	62	19186	11302.89	59	.00	32198	20895.11	35
52-33	EMPLOYEE HEALTH CENTER	0	.00	0	0	.00	0	.00	0	.00	0

FUND 423 STORMWATER UTILITY		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				

52 **	OPERATING SUPPLIES	3675	3271.37	89	26546	20771.11	78	4134.84	44927	20021.05	55
53-00	ROAD MATERIALS/SUPPLIES	0	.00	0	0	.00	0	.00	0	.00	0
53 **	ROAD MATERIALS/SUPPLIES	0	.00	0	0	.00	0	.00	0	.00	0
54-00	MEMBERSHIP/PUBLICATIONS	62	.00	0	434	916.00	211	.00	750	166.00-	122
54 **	MEMBERSHIP/PUBLICATIONS	62	.00	0	434	916.00	211	.00	750	166.00-	122
55-00	TRAINING	729	1085.00	149	5103	1137.00	22	.00	8750	7613.00	13
55 **	TRAINING	729	1085.00	149	5103	1137.00	22	.00	8750	7613.00	13
56-15	IT-RELATED OPERATING EXP	0	.00	0	0	.00	0	.00	0	.00	0
56 **	TECHNOLOGY SYSTEMS	0	.00	0	0	.00	0	.00	0	.00	0
59-00	DEPRECIATION	0	.00	0	0	.00	0	.00	0	.00	0
59 **	DEPRECIATION	0	.00	0	0	.00	0	.00	0	.00	0
61-00	LAND	0	.00	0	0	.00	0	.00	0	.00	0
61 **	LAND	0	.00	0	0	.00	0	.00	0	.00	0
63-00	INFRASTRUCTURE	73986	189420.88	256	481078	625171.75	130	161482.92	850996	64341.33	92
63-07	IMPROVE OTHER THAN BLDG	0	.00	0	0	.00	0	.00	0	.00	0
63-08	FISKE BLVD CEI	0	.00	0	0	.00	0	.00	0	.00	0
63-35	US1/FOREST AV S/W FACILTY	4657	8373.50	180	27942	51221.96	183	.00	51222	.04	100
63-36	N FSK S/W PND FLOAT WTLND	0	.00	0	0	.00	0	.00	0	.00	0
63-69	DIX/IRVR DR RESIL 23FRP03	0	.00	0	0	.00	0	.00	0	.00	0
63-73	FISKE CONSTRUCTION	18294	.00	0	109760	126118.48	115	75099.52	201219	1.00	100
63 **	INFRASTRUCTURE	96937	197794.38	204	618780	802512.19	130	236582.44	1103437	64342.37	94
64-00	MACHINERY & EQUIPMENT	11320	.00	0	78268	.00	0	134870.00	134870	.00	100
64-15	IT HARDWARE	0	.00	0	0	.00	0	.00	0	.00	0
64 **	MACHINERY & EQUIPMENT	11320	.00	0	78268	.00	0	134870.00	134870	.00	100
65-00	CONSTRUCTION IN PROGRESS	0	.00	0	0	.00	0	.00	0	.00	0

FUND 423 STORMWATER UTILITY		*****MONTH-TO-DATE*****			*****YEAR-TO-DATE*****			ENCUMBR.	ANNUAL BUDGET	UNENCUMB. BALANCE	% BDGT
ELE OBJ	ACCOUNT DESCRIPTION	BUDGET	ACTUAL	%EXP	BUDGET	ACTUAL	%EXP				

65 **	CONSTRUCTION IN PROGRESS	0	.00	0	0	.00	0	.00	0	.00	0
69-99	CONTRA FIXED ASSETS	0	.00	0	0	.00	0	.00	0	.00	0
69 **	PROPRIETARY FUND	0	.00	0	0	.00	0	.00	0	.00	0
71-35	SBITA - SAMSARA	213	.00	0	1491	1542.42	103	1018.16	2561	.42	100
71 **	PRINCIPAL	213	.00	0	1491	1542.42	103	1018.16	2561	.42	100
72-00	DEBT SERVICE - INTEREST	0	.00	0	0	.00	0	.00	0	.00	0
72-35	SBITA - SAMSARA	3	.00	0	21	30.78	147	6.72	38	.50	99
72 **	DEBT SERVICE - INTEREST	3	.00	0	21	30.78	147	6.72	38	.50	99
91-01	TO GENERAL FUND (001)	0	.00	0	0	.00	0	.00	0	.00	0
91-21	TO WATER SEWER (421)	0	.00	0	0	.00	0	.00	0	.00	0
91-30	TO GF CAP PROJ (301)	0	.00	0	0	.00	0	.00	0	.00	0
91 **	INTERFUND TRANSFER	0	.00	0	0	.00	0	.00	0	.00	0
94-01	TXFR TO GF OH ALLOC (001)	27344	27344.00	100	191408	191408.00	100	.00	328128	136720.00	58
94 **	INTERFUND TRANSFER	27344	27344.00	100	191408	191408.00	100	.00	328128	136720.00	58
FUND 423	TOTAL *****										
	STORMWATER UTILITY	251591	338645.66	135	1701145	1567906.34	92	548271.62	2959238	843060.04	72
GRAND	TOTAL *****										
		251591	338645.66	135	1701145	1567906.34	92	548271.62	2959238	843060.04	72

CITY OF COCOA, FLORIDA
REVENUE REPORT
58% OF YEAR LAPSED

ACCOUNTING PERIOD 07/2025

CITY OF COCOA, FLORIDA

FUND 423 STORMWATER UTILITY		ACCOUNT	*****	CURRENT	*****	*****	YEAR-TO-DATE	*****	ANNUAL	UNREALIZED
ACCOUNT		DESCRIPTION	ESTIMATED	ACTUAL	%REV	ESTIMATED	ACTUAL	%REV	ESTIMATE	BALANCE
320		OTHER PERMITS & FEES								
325		SPECIAL ASSESSMENT								
	23 01	STRMWTR SPEC ASSMNT	68,457	143,961.85	210	2,042,283	2,123,837.67	104	2,179,197	55,359.33
	23 02	DELINQUENT TAX	833	23.38	3	5,831	144.75	3	10,000	9,855.25
	23 03	PENALTIES	0	3,602.31		0	3,640.53		0	3,640.53-
	23 04	TAX CERTIFICATES	9,183	.00		64,281	.00		110,207	110,207.00
	23 *	STORMWATER	78,473	147,587.54	188	2,112,395	2,127,622.95	101	2,299,404	171,781.05
325	**	SPECIAL ASSESSMENT	78,473	147,587.54	188	2,112,395	2,127,622.95	101	2,299,404	171,781.05
320	***	OTHER PERMITS & FEES	78,473	147,587.54		2,112,395	2,127,622.95		2,299,404	171,781.05
330		INTERGOVERNMENTAL REVENUE								
331		FEDERAL GRANTS								
	50 01	FEDERAL DISASTER REIMB	0	.00		0	.00		0	.00
331	**	FEDERAL GRANTS	0	.00		0	.00		0	.00
334		STATE GRANT								
	36 35	US1/FOREST AV S/W FACILTY	0	.00		0	68,778.04-		0	68,778.04
	36 36	N FSK S/W PND FLOAT WTLND	0	.00		0	.00		0	.00
	36 69	DIX/IRD IRL RESIL DESIGN	0	.00		0	.00		0	.00
	36 *	STORMWATER MANAGEMENT	0	.00		0	68,778.04-		0	68,778.04
334	**	STATE GRANT	0	.00		0	68,778.04-		0	68,778.04
338		SHARED REVENUE LOCAL UNIT								
	10 00	SHARED REV - BREVARD CTY	0	.00		0	.00		0	.00
	10 02	CHURCH STREET BAFFLE BOX	0	.00		0	.00		0	.00
	10 05	SOIRL-SAVE OUR IR LAGOON	4,657	.00		27,942	.00		51,222	51,222.00
	10 *	SHARED REV - BREVARD CTY	4,657	.00		27,942	.00		51,222	51,222.00
338	**	SHARED REVENUE LOCAL UNIT	4,657	.00		27,942	.00		51,222	51,222.00
330	***	INTERGOVERNMENTAL REVENUE	4,657	.00		27,942	68,778.04-		51,222	120,000.04
340		CHARGES FOR SERVICES								
343		PHYSICAL ENVIRONMENT								
	91 00	STORMWATER FEES	0	.00		0	.00		0	.00
	91 10	EARNED NOT BILLED	0	.00		0	.00		0	.00
	91 *	STORMWATER FEES	0	.00		0	.00		0	.00
343	**	PHYSICAL ENVIRONMENT	0	.00		0	.00		0	.00
340	***	CHARGES FOR SERVICES	0	.00		0	.00		0	.00

CITY OF COCOA, FLORIDA

FUND 423 STORMWATER UTILITY		*****	CURRENT	*****	*****	YEAR-TO-DATE	*****	ANNUAL	UNREALIZED
ACCOUNT	DESCRIPTION	ESTIMATED	ACTUAL	%REV	ESTIMATED	ACTUAL	%REV	ESTIMATE	BALANCE
360	MISCELLANEOUS REVENUES								
361	INTEREST & OTHER EARNINGS								
10 00	INTEREST	0	2.42		0	993.59		0	993.59-
10 02	INVESTMENT INTEREST	0	2,777.12		0	22,774.79		0	22,774.79-
10 10	FLORIDA PRIME INTEREST	0	13,387.62		0	91,004.99		0	91,004.99-
10 *	INTEREST	0	16,167.16		0	114,773.37		0	114,773.37-
30 00	NET INC/DEC FMV INVESTMNT	0	625.91		0	147.94		0	147.94-
40 00	GAIN/(LOSS) SALE INVEST	0	80.86-		0	388.85-		0	388.85
40 02	UNREALIZED GAIN/(LOSS)	0	.00		0	.00		0	.00
40 *	GAIN/(LOSS) SALE INVEST	0	80.86-		0	388.85-		0	388.85
361	** INTEREST & OTHER EARNINGS	0	16,712.21		0	114,532.46		0	114,532.46-
364	DISPOSITION FIXED ASSETS								
00 00	DISPOSITION FIXED ASSETS	0	.00		0	.00		0	.00
364	** DISPOSITION FIXED ASSETS	0	.00		0	.00		0	.00
369	OTHER MISC REVENUES								
90 00	OTHER MISC REVENUES	0	2,929.47-		0	.01-		0	.01
369	** OTHER MISC REVENUES	0	2,929.47-		0	.01-		0	.01
360	*** MISCELLANEOUS REVENUES	0	13,782.74		0	114,532.45		0	114,532.45-
380	OTHER SOURCES(NON-REV)								
381	INTERFUND TRANSFER								
91 01	GENERAL FUND (001)	0	.00		0	.00		0	.00
91 21	TRF FROM W/S FUND (421)	0	.00		0	.00		0	.00
91 *	TRANSFER FROM	0	.00		0	.00		0	.00
381	** INTERFUND TRANSFER	0	.00		0	.00		0	.00
389	NON OPERATING SOURCES								
85 00	CAP CONTRIB PRIVATE SRCS	0	.00		0	.00		0	.00
90 00	NON OPERATING SOURCES	0	.00		0	.00		0	.00
99 10	CASH CARRY FORWARD	0	.00		0	.00		0	.00
99 50	FUND BAL-APPROP. RESERVES	55,330	.00		331,976	.00		608,612	608,612.00
99 *	BALANCE FORWARD	55,330	.00		331,976	.00		608,612	608,612.00
389	** NON OPERATING SOURCES	55,330	.00		331,976	.00		608,612	608,612.00
380	*** OTHER SOURCES(NON-REV)	55,330	.00		331,976	.00		608,612	608,612.00
FUND TOTAL	STORMWATER UTILITY	138,460	161,370.28		2,472,313	2,173,377.36		2,959,238	785,860.64
GRAND TOTAL		138,460	161,370.28		2,472,313	2,173,377.36		2,959,238	785,860.64

CITY COUNCIL AGENDA ITEM

Memo Date: May 13, 2025
Agenda Date: May 27, 2025
File ID: 2025-461
Prepared By: Zoie Badalov
Through: Lora Howell, Deputy Finance Director
Acting Finance Director
Stockton Whitten, City Manager
Requested Action: Informational Item Only.

BACKGROUND:

Pursuant to the Cocoa City Charter, Article XII, Section 5.b., the following report details the budget adjustments that were approved in Fiscal Year 2025 thru April 30th, 2025.

Section 5. - Appropriations.

(a) Appropriations for expenditures shall be established by the budget, and from the effective date of the budget the various amounts stated therein as proposed expenditures shall be and become appropriated to the various objects and purposes set forth in the budget.

(b) At any time during the fiscal year, the city council may, by resolution, transfer part or all of the unencumbered appropriation balance from one department or major organizational unit to the appropriation for other departments or major organizational units. The city manager may transfer part or all of any unencumbered appropriation balances among programs within a department or organizational unit and shall report such transfers to the city council in writing in a timely manner. The monetary amount of the city manager's transfer authority shall be established by the city council by resolution.

PRIORITY AREA CONNECTION:

Organizational Effectiveness

BUDGETARY IMPACT:

None

PREVIOUS ACTION:

N/A

RECOMMENDED MOTION:

Informational Item Only.

FY 2025 BUDGET TRACKING WORKSHEET
REVENUE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
11/12/2024	001-0000-331.20-29	\$416	ENC/BUDADJ PO ROLL	399
	001-0000-334.50-55	\$60,781		
	001-0000-334.70-11	\$134,764		
	001-0000-389.99-50	\$4,213,584		
11/19/2024	001-0000-389.90-00	\$1,199,955	TEMP AFB PUMPER TRUCK RESOLUTION# 2024-105	
11/20/2024	001-0000-331.20-31	\$13,263	FY25 BPV GRANT RESOLUTION# 2024-104	
	001-0000-389.99-50	(\$13,263)		
11/30/2024	001-0000-381.91-10	(\$800)	13) CRA POLICE DETAIL OCT-NOV CLEANUP	
	001-0000-389.90-00	\$800		
12/10/2024	001-0000-334.50-55	\$54	CAPITAL ROLL RESOLUTION# 2024-112	
	001-0000-369.90-04	\$5,000		
	001-0000-389.99-50	\$2,758,520		
	001-0000-384.00-00	\$309,793	FIRE COMMUNICATIONS-DEBT RESOLUTION# 2024-113	
01/14/2025	001-0000-389.99-50	\$22,500	COCOA UPSTART PROGRAM RESOLUTION# 2025-002	
01/21/2025	001-0000-331.20-32	\$15,653	ACCEPT FY25 JAG GRANT RESOLUTION# 2025-003	
01/28/2025	001-0000-389.99-50	\$186,822	BOA LEASE DEBTSERVICE PMT	
	001-0000-384.00-00	(\$2,150,698)	UNDO FY25 BUDGET ESTIMATED DEBT FINANCING	
	001-0000-384.00-00	(\$309,793)	UNDO FY25 BUDGET ESTIMATE FIRE COMMUNICATIONS	

FY 2025 BUDGET TRACKING WORKSHEET
REVENUE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
01/28/2025	001-0000-389.90-00	(\$1,199,955)	UNDO FY25 BUDGET ESTIMATE TEMP AFB FIRE ENGINE	399
	001-0000-389.99-50	(\$380,000)	UNDO FY25 INTERFUND TXFR ESTIMATED DEBT FINANCING	
01/30/2025	001-0000-389.99-50	\$32,123	EMERGENCY NONREIMBURSABLE RESOLUTION# 2025-005	
	001-0000-389.99-50	\$241,013	MILTON REIMBURSABLE RESOLUTION# 2025-005	
01/31/2025	001-0000-384.00-00	\$2,495,000	2024 BOA LEASE BUDGET	
02/27/2025	001-0000-334.50-55	\$11,300	AMENDMENT#1 FDEP GRANT RESOLUTION# 2025-008	
	001-0000-389.99-50	\$200,000	ECON INCENTIVE BRIGHTLINE RESOLUTION# 2025-012	
03/18/2025	001-0000-381.91-14	\$13,934	ARPA INTEREST TRANSFERS RESOLUTION# 2024-115	
	001-0000-389.99-50	(\$13,934)		
	001-0000-334.70-11	\$5,830	BUDGET ROLL (GRANT AMT) RESOLUTION# 2025-017	
	001-0000-389.99-50	\$5,830	BUDGET ROLL (50% MATCH) RESOLUTION# 2025-017	
	001-0000-334.70-11	(\$8,150)	RETAINAGE (GRANT PORTION) RESOLUTION# 2025-017	
	001-0000-389.99-50	(\$8,150)	RETAINAGE (50% MATCH AMT) RESOLUTION# 2025-017	
	001-0000-334.70-11	\$2,102	ROLL PO#80938 (GRANT AMT) RESOLUTION# 2025-017	
	001-0000-389.99-50	\$2,102	ROLL PO#80938 (50% MATCH) RESOLUTION#	

FY 2025 BUDGET TRACKING WORKSHEET
REVENUE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
03/18/2025			2025-017	399
	001-0000-334.70-11	\$65,280	ROLL PO#82428 (GRANT AMT) RESOLUTION# 2025-017	
	001-0000-389.99-50	\$65,280	ROLL PO#82428 (50% MATCH) RESOLUTION# 2025-017	
	001-0000-334.70-11	(\$134,764)	UNDO YE ROLL RESOLUTION# 2025-017	
03/21/2025	001-0000-389.99-50	\$840,000	ASSIGN FY22 CONTIGENCY RESOLUTION# 2024-116	
	001-0000-389.99-50	(\$964,057)	UNDO YE ROLL RESOLUTION# 2024-116	
	001-0000-389.99-50	(\$475,735)	UNDO YE ROLL RESOLUTION# 2025-016	
04/22/2025	001-0000-366.00-00	\$11,004	ALLEGRA DONATION .59 ACRE RESOLUTION# 2025-023	
	001-0000-366.00-00	\$203,296	ALLEGRA DONATION 10.9ACRE RESOLUTION# 2025-023	
04/24/2025	001-0000-389.99-50	\$500,000	AFB - ANNUAL PAVING RESOLUTION# 2025-025	
15	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	\$7,956,700
15	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	GENERAL FUND	\$7,956,700
11/12/2024	104-0000-389.99-50	\$53,880	ENC/BUDADJ PO ROLL	399
03/18/2025	104-0000-389.99-10	\$24,154	CHDO CARRYFORWARD RESOLUTION# 2025-017	
	104-0000-389.99-10	\$1,707	FY24 ADMIN CARRYFORWARD RESOLUTION# 2025-017	

**FY 2025 BUDGET TRACKING WORKSHEET
REVENUE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025**

Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
03/18/2025	104-0000-389.99-50	(\$53,880)	UNDO YE ROLL RESOLUTION# 2025-017	399
	104-0000-389.99-10	\$154,800	1ST TIME HB CARRYFORWARD RESOLUTION# 2025-017	
03/21/2025	104-0000-331.54-00	(\$12,789)	HOME FY24-25 DISBURSEMENT RESOLUTION# 2025-021	
3	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	\$167,872
3	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	BREVARD COUNTY HOME	\$167,872
11/12/2024	105-0000-389.99-10	\$3,575	ENC/BUDADJ PO ROLL	399
03/18/2025	105-0000-389.99-10	\$3,634	FY23 INTEREST CARRYFORWRD RESOLUTION# 2025-017	
	105-0000-389.99-10	\$68,881	FY23 REMAINING BUDGET RESOLUTION# 2025-017	
	105-0000-389.99-10	\$228,460	FY24 BUDGET TO ROLL RESOLUTION# 2025-017	
	105-0000-389.99-10	\$1,658	FY24 CR - 1510 N KENTUCKY RESOLUTION# 2025-017	
	105-0000-389.99-10	\$101	FY24 HHRP RESOLUTION# 2025-017	
	105-0000-389.99-10	\$7,203	FY24 INTEREST CARRYFORWRD RESOLUTION# 2025-017	
2	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	\$313,512
2	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	SHIP/HOUSING ASSISTANCE	\$313,512

FY 2025 BUDGET TRACKING WORKSHEET
REVENUE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
11/12/2024	107-0000-389.99-50	\$17,616	ENC/BUDADJ PO ROLL	399
1	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	\$17,616
1	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	BUILDING PERMITS	\$17,616
11/12/2024	110-0000-389.99-50	\$76,779	ENC/BUDADJ PO ROLL	399
12/10/2024	110-0000-389.99-50	\$932,242	CAPITAL ROLL RESOLUTION# 2024-112	
01/06/2025	110-0000-338.00-00	(\$89,319)	SHORE UP CCRA TIF REVENUE RESOLUTION# CCRA 2024-250	
02/05/2025	110-0000-389.99-50	\$5,000	LEGAL FEE TOP-UP RESOLUTION# CCRA-2025-007	
4	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	\$924,702
4	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	CRA COCOA RDA	\$924,702
11/12/2024	111-0000-389.99-50	\$52,991	ENC/BUDADJ PO ROLL	399
12/10/2024	111-0000-389.99-50	\$183,323	CAPITAL ROLL RESOLUTION# 2024-112	
01/27/2025	111-0000-338.00-00	(\$45,528)	COUNTY DSCRA TIF REVENUE RES.# DSCRA 2025-046	
	111-0000-389.99-50	\$32,500	DSCRA UPSTART GRANT RES.# DSCRA 2025-039	
	111-0000-338.00-00	(\$2,207)	D4 DSCRA TIF REVENUE RES.# DSCRA 2025-046	
03/01/2025	111-0000-389.99-50	\$10,000	ANR PRGRM AWARD INCREASE RES# DSCRA-2025-047	

FY 2025 BUDGET TRACKING WORKSHEET
REVENUE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
4	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	\$231,079
4	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	CRA DIAMOND SQUARE 626	\$231,079
11/12/2024	130-0000-331.90-02	\$279,022	ENC/BUDADJ PO ROLL	399
12/12/2024	130-0000-331.90-02	\$121,204	UNEMCUMBERED ARPA ROLL RESOLUTION# 2024-114	
03/18/2025	130-0000-361.10-00	\$13,934	ARPA INTEREST TRANSFERS RESOLUTION# 2024-115	
3	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	\$414,160
3	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	AMERICAN RESCUE PLAN FUND	\$414,160
02/11/2025	142-0000-389.99-50	\$10,000	STATE FORFITURE FUNDS RESOLUTION# 2025-007	2164
03/27/2025	142-0000-389.99-50	\$10,000	INTEL/LEADERSHIP TRAINING RESOLUTION# 2025-007	
	142-0000-389.99-50	(\$10,000)	STATE FORFITURE FUNDS REVERSE GROUP# 2025-02164	
2	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	\$10,000
2	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	POLICE SPECIAL EDUCATION	\$10,000
10/14/2024	143-0000-389.99-50	\$6,825	EXPEND FEDERAL FORFEITURE RESOLUTION #: 24-096	123

FY 2025 BUDGET TRACKING WORKSHEET
REVENUE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
1	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	\$6,825
1	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	FEDERAL FORFEITURE FUND	\$6,825
01/28/2025	201-0000-381.91-01	\$186,822	BOA LEASE DEBTSERVICE PMT	1775
	201-0000-381.91-01	(\$380,000)	UNDO FY25 INTERFUND TXFR ESTIMATED DEBT FINANCING	
1	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	(\$193,178)
1	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	DEBT SERVICE FUND	(\$193,178)
11/12/2024	303-0000-331.90-01	\$1,772,649	ENC/BUDADJ PO ROLL	399
	303-0000-389.99-50	(\$152,319)	RETAINAGE RES. #24-103	
12/10/2024	303-0000-331.90-01	\$333,401	CAPITAL ROLL RESOLUTION# 2024-112	
03/21/2025	303-0000-389.99-50	\$343,177	FIX NON GRANT FISKE ROLL RESOLUTION# 2025-014	
	303-0000-331.90-01	\$1,937,668	REMAINING CONSTRUCTION RESOLUTION# 2025-014	
	303-0000-331.90-01	\$70,758	SDC REIMBURSABLE RESOLUTION# 2025-014	
	303-0000-331.90-01	\$15,395	SDC REIMBURSABLE REVISIT* RESOLUTION# 2025-014	
	303-0000-331.90-01	(\$333,401)	UNDO CAPITAL ROLL RESOLUTION# 2025-014	
	303-0000-331.90-01	(\$1,772,649)	UNDO PO ROLL (ENC/BUDADJ) RESOLUTION# 2025-014	
	303-0000-389.99-50	\$152,319	UNDO RETAINAGE RESOLUTION# 2025-014	

FY 2025 BUDGET TRACKING WORKSHEET
REVENUE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
3	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	\$2,366,998
3	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	FISKE BV CMPLT STRTSCAPE	\$2,366,998
11/12/2024	304-0000-337.30-21	\$133,724	ENC/BUDADJ PO ROLL	399
12/10/2024	304-0000-337.30-21	\$2,020	CAPITAL ROLL RESOLUTION# 2024-112	
2	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	\$135,744
2	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	T DOCKS / BREAKWATER	\$135,744
11/12/2024	421-0000-389.99-50	\$3,144,828	ENC/BUDADJ PO ROLL	399
12/10/2024	421-0000-389.99-50	\$277,106	CAPITAL ROLL RESOLUTION# 2024-112	
01/30/2025	421-0000-389.99-50	\$81,536	MILTON REIMBURSABLE RESOLUTION# 2025-005	
03/18/2025	421-0000-389.99-50	\$9,355	CORRECT DEBT SERVICE PMT RESOLUTION# 2025-015	
04/22/2025	421-0000-389.99-50	\$102,776	BRANDES BUDG 4 OTHER OBLG RESOLUTION# 2025-026	
	421-0000-389.99-50	\$528,113	BRANDES BUDG 4 OTHER PROJ RESOLUTION# 2025-026	
	421-0000-389.99-50	(\$630,889)	BRANDES STTLD PROJ CLOSED RESOLUTION# 2025-026	
	421-0000-369.90-06	\$675,000	BRANDES STTLMNT CA-030750 RESOLUTION# 2025-026	
	421-0000-389.99-50	(\$675,000)		
5	Total Budget	Total Budget	Division 0000 Total	\$3,512,825

FY 2025 BUDGET TRACKING WORKSHEET
REVENUE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
Amendments/Transfers		Amendments/Transfers		
5	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	WATER/SEWER FUND	\$3,512,825
03/18/2025	422-0000-324.02-01	(\$8,535)	CORRECT DEBT SERVICE PMT RESOLUTION# 2025-015	2612
	422-0000-324.02-11	(\$820)		
1	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	(\$9,355)
1	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	WATER/SEWER IMPACT FEE	(\$9,355)
11/12/2024	423-0000-338.10-05	\$51,222	ENC/BUDADJ PO ROLL	399
	423-0000-389.99-50	\$623,948		
	423-0000-389.99-50	(\$15,337)	RETAINAGE RES. #24-103	
03/21/2025	423-0000-389.99-50	\$201,219	REMAINING CONSTRUCTION RESOLUTION# 2025-014	
	423-0000-389.99-50	(\$214,165)	UNDO PO ROLL (ENC/BUDADJ) RESOLUTION# 2025-014	
	423-0000-389.99-50	\$12,947	UNDO RETAINAGE RESOLUTION# 2025-014	
2	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	\$659,834
2	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	STORMWATER UTILITY	\$659,834
11/12/2024	424-0000-334.35-01	\$2,615,124	ENC/BUDADJ PO ROLL	399
	424-0000-389.99-50	\$12,711,882		
	424-0000-389.99-50	(\$429,470)	RETAINAGE RES. #24-103	

FY 2025 BUDGET TRACKING WORKSHEET
REVENUE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
12/10/2024	424-0000-389.99-50	\$19,337,776	CAPITAL ROLL RESOLUTION# 2024-112	399
	424-0000-381.91-21	\$26,260	VORTEX MANHOLE LINING RESOLUTION# 2024-111	
01/28/2025	424-0000-331.35-02	\$1,200,000	PINEDA PHASE 2 GRANT -FED RESOLUTION# 2025-004	
	424-0000-334.35-02	\$135,000	PINEDA PHASE2 GRANT-STATE RESOLUTION# 2025-004	
03/18/2025	424-0000-381.91-25	\$374,000	COCOA GROVES&WINWARD TXFR RESOLUTION# 2025-015	
	424-0000-389.99-50	(\$374,000)		
03/21/2025	424-0000-389.99-50	\$444,671	REMAINING CONSTRUCTION RESOLUTION# 2025-014	
	424-0000-389.99-50	\$15,395	SDC REIMBURSABLE RESOLUTION# 2025-014	
	424-0000-389.99-50	(\$1,785)	UNDO CAPITAL ROLL RESOLUTION# 2025-014	
	424-0000-389.99-50	(\$481,427)	UNDO PO ROLL (ENC/BUDADJ) RESOLUTION# 2025-014	
	424-0000-389.99-50	\$23,146	UNDO RETAINAGE RESOLUTION# 2025-014	
	424-0000-389.99-50			
04/22/2025	424-0000-381.91-21	\$528,113	BRANDES BUDG 4 OTHER PROJ RESOLUTION# 2025-026	
6	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	\$36,124,685
6	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	RENEWAL & REPLACE FUND	\$36,124,685
03/18/2025	425-0000-389.99-50	\$374,000	COCOA GROVES&WINWARD TXFR RESOLUTION# 2025-015	2610
	425-0000-381.91-21	\$9,355	CORRECT DEBT SERVICE PMT RESOLUTION#	

**FY 2025 BUDGET TRACKING WORKSHEET
REVENUE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025**

Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
03/18/2025	425-0000-381.91-42	(\$9,355)	2025-015	2610
1	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	\$374,000
1	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	W/S RESTRICTED ASSETS	\$374,000
10/08/2024	427-0000-389.84-00	\$4,243,270	TCR PROJECT TASK #2 RESOLUTION #: 24-097	122
11/12/2024	427-0000-389.84-00	\$80,073	ENC/BUDADJ PO ROLL	
2	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	\$4,323,343
2	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	TCR/SJR PROJECT	\$4,323,343
11/12/2024	520-0000-389.99-10	\$12,043	ENC/BUDADJ PO ROLL	399
1	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	Division 0000 Total	\$12,043
1	Total Budget Amendments/Transfers	Total Budget Amendments/Transfers	WORKERS COMPENSATION FUND	\$12,043
46 Transfers & Amendments Between Oct 1, 2024 and Apr 30, 2025 FY 2025 Total Transfer & Amendments \$57,349,405 NOTE: Group #s represent a complete transaction that will net to zero. Add all expenses for each group number, then subtract the revenues related to the same group number and your total will equal zero Report: Revenue Budget Tracking Worksheet Run by: Zoie R. Badalov Date: 05/13/2025				

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
1000 - CITY COUNCIL					
1000 - CITY COUNCIL	11/12/2024	001-1000-511.40-00	\$105	ENC/BUDADJ	399
		001-1000-511.48-00	\$1,000		
	11/30/2024	001-1000-511.48-00	(\$500)	14) COUNCIL EVENT TABLES OCT-NOV CLEANUP	876
		001-1000-511.54-00	\$500		
2	Total Budget Amendments/Transfers		Division 1000 Total		\$1,105
1100 - CITY MANAGER'S OFFICE					
1100 - CITY MANAGER'S OFFICE	02/01/2025	001-1100-512.48-00	(\$35)	RECLASS POLO TO UNIFORMS JANUARY CLEANUP	2165
		001-1100-512.52-02	\$35		
1	Total Budget Amendments/Transfers		Division 1100 Total		\$0
1104 - PLANNING					
1104 - PLANNING	11/12/2024	001-1104-515.34-00	\$95,973	ENC/BUDADJ	399
	02/28/2025	001-1104-515.56-15	\$660	BLUEBEAM REVU SOFTWARE FEBRUARY CLEANUP	2397
		001-1104-515.42-00	(\$660)		
2	Total Budget Amendments/Transfers		Division 1104 Total		\$95,973
1203 - INFORMATION TECHNOLOGY					
1203 - INFORMATION TECHNOLOGY	11/12/2024	001-1203-516.41-00	\$546	ENC/BUDADJ	399
		001-1203-516.46-00	\$10,770		
		001-1203-516.56-15	\$8,380		
		001-1203-516.52-00	\$20,568		

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
1203 - INFORMATION TECHNOLOGY	12/10/2024	001-1203-516.63-00	\$13,377	CAPITAL ROLL RESOLUTION# 2024-112	1017
		001-1203-516.64-15	\$20,287		
	02/01/2025	001-1203-516.56-15	(\$15,380)	GENERAL IT BUDGET MAINT. JANUARY CLEANUP	2165
		001-1203-516.64-15	\$8,380		
		001-1203-516.41-00	\$7,000		
	02/28/2025	001-1203-516.63-00	\$0	FIBER RING PROJECT FEBRUARY CLEANUP	2397
	04/01/2025	001-1203-516.54-00	\$45,000	4)TECH MEMBERSHIP RENEWAL MARCH CLEANUP	3136
		001-1203-516.63-00	(\$45,000)		
	04/30/2025	001-1203-516.52-00	(\$24,483)	13) BLUE-ALLY RECLASS APRIL CLEANUP	3409
		001-1203-516.64-00	\$24,483		

6	Total Budget Amendments/Transfers	Division 1203 Total	\$73,928
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1500 - FINANCE GENERAL ACCOUNTNG

1500 - FINANCE GENERAL ACCOUNTNG	11/30/2024	001-1500-513.12-00	(\$1,000)	11) ACFR SOFTWARE COSTS OCT-NOV CLEANUP	876
		001-1500-513.56-15	\$1,000		
	12/10/2024	001-1500-513.55-00	\$420	CAPITAL ROLL RESOLUTION# 2024-112	1017

2	Total Budget Amendments/Transfers	Division 1500 Total	\$420
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1600 - GENERAL OPERATIONS

1600 - GENERAL OPERATIONS	11/12/2024	001-1600-513.34-00	\$12,218	ENC/BUDADJ	399
		001-1600-513.49-00	\$50,218		

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
1600 - GENERAL OPERATIONS	11/12/2024	001-1600-513.55-02	\$9,497	ENC/BUDADJ	399
		001-1600-513.32-00	\$60,800		
		001-1600-513.31-00	\$69,063		
	12/10/2024	001-1600-513.39-01	\$475,735	CAPITAL ROLL RESOLUTION# 2024-112	1017
		001-1600-513.55-00	\$900		
		001-1600-513.39-02	\$964,057		
	01/28/2025	001-1600-581.91-20	\$186,822	BOA LEASE DEBTSERVICE PMT	1777
		001-1600-513.64-00	(\$39,495)	UNDO FY25 BUDGET CH POOLED VEHICLE	1774
		001-1600-581.91-20	(\$380,000)	UNDO FY25 INTERFUND TXFR ESTIMATED DEBT FINANCING	1775
	01/31/2025	001-1600-513.64-00	\$40,656	2024 BOA LEASE BUDGET CH POOLED VEHICLE	1776
		001-1600-513.73-00	\$30,214	2024 BOA LEASE BUDGET DEBT SERVICE COSTS	1776
	03/18/2025	001-1600-513.39-00	\$15,558	MATCH SOLID WASTE PMT SEE 3-18 CLERK'S JOURNAL	2599
	03/21/2025	001-1600-517.72-72	\$1,426	BRIGHTLY SBITA SEE 3-18 CLERK'S JOURNAL	2604
		001-1600-517.71-72	\$22,831		
		001-1600-513.39-02	\$240,000	MUSEUM CAPITAL RESOLUTION# 2024-116	2608
		001-1600-513.39-02	\$300,000	POLICE & FIRE CADETS RESOLUTION# 2024-116	2608
		001-1600-513.39-02	\$300,000	POLICE & FIRE RECRUITMENT RESOLUTION# 2024-116	2608

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
1600 - GENERAL OPERATIONS	03/21/2025	001-1600-513.39-02	(\$964,057)	UNDO YE ROLL RESOLUTION# 2024-116	2608
		001-1600-513.39-01	(\$475,735)	UNDO YE ROLL RESOLUTION# 2025-016	2607

6	Total Budget Amendments/Transfers	Division 1600 Total	\$920,708
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1601 - EMERGENCY/DISASTER SVS

1601 - EMERGENCY/DISASTER SVS	01/30/2025	001-1601-525.49-00	\$19,604	MILTON REIMBURSABLE RESOLUTION# 2025-005	1758
		001-1601-525.23-00	\$81		
		001-1601-525.22-01	\$6,526		
		001-1601-525.46-02	\$8,279		
		001-1601-525.23-07	\$220		
		001-1601-525.21-00	\$13,499		
		001-1601-525.23-08	\$39		
		001-1601-525.23-09	\$85		
		001-1601-525.24-00	\$336		
		001-1601-525.23-04	\$5,987		
		001-1601-525.22-03	\$67		
		001-1601-525.12-00	\$184,714		
		001-1601-525.22-00	\$1,576		

1	Total Budget Amendments/Transfers	Division 1601 Total	\$241,013
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1805 - CITY CLERK

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
1805 - CITY CLERK	11/30/2024	001-1805-513.56-15	\$288	7) NEXT REQUEST SOFTWARE OCT-NOV CLEANUP	876
		001-1805-513.52-00	(\$288)		
	02/01/2025	001-1805-513.12-12	\$676	COVER ACCRUAL PAYOUT JANUARY CLEANUP	2165
		001-1805-513.14-00	(\$676)		

2	Total Budget Amendments/Transfers	Division 1805 Total	\$0
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1905 - ECONOMIC DEVELOPMENT

1905 - ECONOMIC DEVELOPMENT	01/14/2025	001-1905-559.83-11	\$22,500	COCOA UPSTART PROGRAM RESOLUTION# 2025-002	1594
	02/27/2025	001-1905-559.31-00	\$200,000	ECON INCENTIVE BRIGHTLINE RESOLUTION# 2025-012	2210

2	Total Budget Amendments/Transfers	Division 1905 Total	\$222,500
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1906 - COMMUNICATION/GRANTS

1906 - COMMUNICATION/GRANTS	01/03/2025	001-1906-513.23-04	(\$300)	DECEMBER CLEANUP 6) VERIZON PO# 83088	1525
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1	Total Budget Amendments/Transfers	Division 1906 Total	(\$300)
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1990 - LEISURE SERVICES

1990 - LEISURE SERVICES	01/03/2025	001-1990-574.41-00	\$300	DECEMBER CLEANUP 6) VERIZON PO# 83088	1525
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1	Total Budget Amendments/Transfers	Division 1990 Total	\$300
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2100 - POLICE ADMIN/OPERATIONS

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
2100 - POLICE ADMIN/OPERATIONS	11/12/2024	001-2100-521.64-00	\$117,383	ENC/BUDADJ	399
		001-2100-521.52-38	\$416		
		001-2100-521.56-15	\$11,250		
		001-2100-521.46-02	\$20,125		
	11/20/2024	001-2100-521.52-40	\$26,526	FY25 BPV GRANT RESOLUTION# 2024-104	665
		001-2100-521.52-00	(\$26,526)		
	11/30/2024	001-2100-521.40-00	(\$3,800)	1) CODC CLASS OCT-NOV CLEANUP	876
		001-2100-521.55-00	\$3,800		
		001-2100-521.14-00	\$0	13) CRA POLICE DETAIL OCT-NOV CLEANUP	876
		001-2100-521.41-00	\$0	4) COMMAND POST AIR CARDS OCT- NOV CLEANUP	876
	12/10/2024	001-2100-521.64-00	\$13,653	CAPITAL ROLL RESOLUTION# 2024-112	1017
		001-2100-521.14-00	\$5,000		
	01/03/2025	001-2100-521.56-15	\$0	DECEMBER CLEANUP 3) FLOCK PROJECT PO#83242	1525
		001-2100-521.46-03	(\$2,020)	DECEMBER CLEANUP 7) PD VEHICLE REPAIRS	1525
		001-2100-521.49-00	\$2,020		
	01/14/2025	001-2100-521.64-00	(\$60,958)	REPLENISH ANNUAL PAVING CLERK'S JOURNAL 1.14.25	1593
	01/21/2025	001-2100-521.48-01	\$1,653	ACCEPT FY25 JAG GRANT RESOLUTION# 2025-003	1592
		001-2100-521.14-00	\$14,000		
	01/28/2025	001-2100-521.64-00	(\$65,000)	UNDO FY25 BUDGET ESTIMATE PD REPLACEMENT VEHICLE	1774

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
2100 - POLICE ADMIN/OPERATIONS	01/28/2025	001-2100-521.64-00	(\$192,652)	UNDO FY25 BUDGET ESTIMATE PD 29 PORTABLE RADIOS	1774
		001-2100-521.64-00	(\$405,551)	UNDO FY25 BUDGET ESTIMATE PD 50 MOBILE RADIOS	1774
	01/31/2025	001-2100-521.64-00	\$62,070	2024 BOA LEASE BUDGET PD REPLACEMENT VEHICLE	1776
	02/04/2025	001-2100-521.64-00	\$598,203	CORR BAF25-023A DIV CODE	1822
	04/01/2025	001-2100-521.46-02	\$13,665	9) PARKING LOT&EV STATION MARCH CLEANUP	3136
		001-2100-521.46-03	(\$32,393)	9) PARKING, EV, LOCKERS MARCH CLEANUP	3136
		001-2100-521.46-02	\$18,728	9) PD LOCKER ROOM REHAB MARCH CLEANUP	3136
	04/30/2025	001-2100-521.46-03	(\$24,935)	10) REPLACE K-9 VEHICLE APRIL CLEANUP	3409
		001-2100-521.64-00	\$47,015		
		001-2100-521.52-30	(\$22,080)		

12	Total Budget Amendments/Transfers	Division 2100 Total	\$119,592
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2101 - POLICE COMMUNICATIONS

2101 - POLICE COMMUNICATIONS	11/12/2024	001-2101-521.56-15	\$57,600	ENC/BUDADJ	399
	01/03/2025	001-2101-521.13-00	\$75,000	DECEMBER CLEANUP 1) COVER OTHER PD WAGES	1525
		001-2101-521.12-00	(\$75,000)		
		001-2101-521.23-04	(\$23,836)	DECEMBER CLEANUP 1) PD INTENT TO RETIRE	1525
		001-2101-521.12-12	\$23,836		

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
2101 - POLICE COMMUNICATIONS	01/31/2025	001-2101-521.64-00	\$192,667	2024 BOA LEASE BUDGET PD 29 PORTABLE RADIOS	1776
		001-2101-521.64-00	\$405,615	2024 BOA LEASE BUDGET PD 50 MOBILE RADIOS	1776
	02/04/2025	001-2101-521.64-00	(\$192,652)	UNDO FY25 BUDGET ESTIMATE PD 29 PORTABLE RADIOS	1822
		001-2101-521.64-00	(\$405,551)	UNDO FY25 BUDGET ESTIMATE PD 50 MOBILE RADIOS	1822
	04/01/2025	001-2101-521.12-00	(\$2,878)	8) COVER ACCRUAL PAYOUTS MARCH CLEANUP	3136
		001-2101-521.12-12	\$2,878		
		001-2101-521.12-06	\$399	8) COVER CONTRACT WAGES MARCH CLEANUP	3136
		001-2101-521.12-00	(\$399)		
5	Total Budget Amendments/Transfers		Division 2101 Total		\$57,679
2132 - CODE ENFORCEMENT					
2132 - CODE ENFORCEMENT	11/30/2024	001-2132-524.49-00	(\$1,440)	12) CODE ENFORCE AIRCARDS OCT- NOV CLEANUP	876
		001-2132-524.41-00	\$1,440		
1	Total Budget Amendments/Transfers		Division 2132 Total		\$0
2200 - FIRE ADMINISTRATION					
2200 - FIRE ADMINISTRATION	11/12/2024	001-2200-522.52-02	\$2,500	ENC/BUDADJ	399
1	Total Budget Amendments/Transfers		Division 2200 Total		\$2,500

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
2201 - FIRE OPERATIONS					
2201 - FIRE OPERATIONS	11/12/2024	001-2201-522.52-02	\$27,085	ENC/BUDADJ	399
		001-2201-522.52-05	\$4,786		
		001-2201-522.46-00	\$9,816		
		001-2201-522.34-00	\$16,000		
		001-2201-522.64-00	\$1,500,000		
	11/19/2024	001-2201-522.64-00	\$1,199,955	TEMP AFB PUMPER TRUCK RESOLUTION# 2024-105	664
	11/30/2024	001-2201-522.52-02	(\$295)	6) COMMUNICATIONS OCT-NOV CLEANUP	876
		001-2201-522.41-00	\$295		
	12/10/2024	001-2201-522.64-15	\$309,793	FIRE COMMUNICATIONS-DEBT RESOLUTION# 2024-113	1022
	01/28/2025	001-2201-522.64-15	(\$309,793)	UNDO FY25 BUDGET ESTIMATE FIRE COMMUNICATIONS	1778
		001-2201-522.64-00	(\$1,120,000)	UNDO FY25 BUDGET ESTIMATE FIRE ENGINE	1774
		001-2201-522.64-00	(\$1,199,955)	UNDO FY25 BUDGET ESTIMATE TEMP AFB FIRE ENGINE	1778
	01/31/2025	001-2201-522.64-15	\$309,793	2024 BOA LEASE BUDGET FIRE COMMUNICATIONS	1776
		001-2201-522.64-00	\$1,119,995	2024 BOA LEASE BUDGET FIRE ENGINE	1776
	02/28/2025	001-2201-522.41-00	\$200	COMMUNICATIONS SHORTAGE FEBRUARY CLEANUP	2397
		001-2201-522.52-02	(\$200)		
		001-2201-522.12-00	(\$6,141)	COVER ACCRUAL PAYOUT FEBRUARY CLEANUP	2397

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
2201 - FIRE OPERATIONS	02/28/2025	001-2201-522.12-12	\$6,141	COVER ACCRUAL PAYOUT FEBRUARY CLEANUP	2397
		001-2201-522.20-00	\$717	COVER SHOE ALLOWANCE FEBRUARY CLEANUP	2397
		001-2201-522.12-00	(\$717)		
		001-2201-522.64-15	\$18,750	FIRE ALERTING SYSTEM FEBRUARY CLEANUP	2397
		001-2201-522.52-02	(\$18,750)		
	04/01/2025	001-2201-522.52-02	(\$500)	1) COVER CHARGES UNTIL YE MARCH CLEANUP	3136
		001-2201-522.49-00	\$500		
		001-2201-522.12-12	\$12,858	8) COVER ACCRUAL PAYOUTS MARCH CLEANUP	3136
		001-2201-522.12-00	(\$12,858)		
	04/30/2025	001-2201-522.47-00	\$1,134	6) COVER ACCT THRU END FY APRIL CLEANUP	3409
		001-2201-522.52-02	(\$1,134)		

9	Total Budget Amendments/Transfers	Division 2201 Total	\$1,867,475
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3200 - ADMINISTRATION

3200 - ADMINISTRATION	11/12/2024	001-3200-515.46-04	\$130,560	ENC/BUDADJ	399
		001-3200-515.31-16	\$4,204		
		001-3200-515.34-00	\$11,210		
		001-3200-515.31-17	\$60,781		
	12/10/2024	001-3200-515.61-00	\$241,379	CAPITAL ROLL RESOLUTION# 2024-112	1017
		001-3200-515.31-17	\$54		
	02/27/2025	001-3200-515.31-17	\$11,300	AMENDMENT#1 FDEP GRANT RESOLUTION# 2025-008	2213

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
3200 - ADMINISTRATION	03/18/2025	001-3200-515.46-04	(\$16,300)	RETAINAGE RESOLUTION# 2025-017	2598
		001-3200-515.31-16	\$4,204	ROLL PO#80938 RESOLUTION# 2025-017	2598
		001-3200-515.46-04	\$130,560	ROLL PO#82428 RESOLUTION# 2025-017	2598
		001-3200-515.46-04	(\$130,560)	UNDO YE ROLL RESOLUTION# 2025-017	2598
		001-3200-515.31-16	(\$4,204)		
		001-3200-515.46-04	\$11,660	UNENCUMBERED BUDGET ROLL RESOLUTION# 2025-017	2598
	04/30/2025	001-3200-515.42-00	\$60	7) COVER POSTAGE APRIL CLEANUP	3409
		001-3200-515.46-03	(\$60)		
5	Total Budget Amendments/Transfers		Division 3200 Total		\$454,848
3500 - ADMINISTRATION					
3500 - ADMINISTRATION	11/30/2024	001-3500-519.41-00	\$1,000	10) VERIZON BILL OCT-NOV CLEANUP	876
	01/03/2025	001-3500-519.56-15	\$3,000	DECEMBER CLEANUP 9) IWORQ SOFTWARE	1525
2	Total Budget Amendments/Transfers		Division 3500 Total		\$4,000
3510 - STREET MANAGEMENT					
3510 - STREET MANAGEMENT	11/12/2024	001-3510-541.46-00	\$74,998	ENC/BUDADJ	399
		001-3510-541.31-00	\$40,120		
		001-3510-541.34-00	\$6,418		
		001-3510-541.63-00	\$11,363		

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
3510 - STREET MANAGEMENT	11/30/2024	001-3510-541.41-00	(\$1,000)	10) VERIZON BILL OCT-NOV CLEANUP	876
	12/10/2024	001-3510-541.63-00	\$0	RANGE ROAD PAVING	1020
	01/03/2025	001-3510-541.46-00	(\$3,000)	DECEMBER CLEANUP 9) IWORQ SOFTWARE	1525
	01/14/2025	001-3510-541.63-00	\$107,331	REPLENISH ANNUAL PAVING CLERK'S JOURNAL 1.14.25	1593
	01/28/2025	001-3510-541.64-00	(\$126,000)	UNDO FY25 BUDGET ESTIMATE PW REPLACEMENT FLATBED	1774
	01/31/2025	001-3510-541.64-00	\$132,885	2024 BOA LEASE BUDGET PW REPLACEMENT FLATBED	1776
	04/01/2025	001-3510-541.41-00	\$1,000	5) COMMS ACCT. SHORTFALL MARCH CLEANUP	3136
		001-3510-541.46-00	(\$1,000)		
	04/24/2025	001-3510-541.63-00	\$500,000	AFB - ANNUAL PAVING RESOLUTION# 2025-025	3170
	04/30/2025	001-3510-541.64-00	\$10,000	11) STRIPER REPLACEMENT APRIL CLEANUP	3409
		001-3510-541.46-00	(\$10,000)		
10	Total Budget Amendments/Transfers		Division 3510 Total		\$743,115
3520 - PARKS & BEAUTIFICATION					
3520 - PARKS & BEAUTIFICATION	11/12/2024	001-3520-572.64-00	\$46,373	ENC/BUDADJ	399
		001-3520-572.63-07	\$1,512,525		
	11/30/2024	001-3520-572.34-09	\$10,000	5) MOWING CONTRACTS OCT-NOV CLEANUP	876
		001-3520-572.46-00	(\$10,000)		
		001-3520-572.63-00	(\$15,000)	9) PICKLE BALL LIGHTS GEN OCT-NOV	876

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
3520 - PARKS & BEAUTIFICATION	11/30/2024	001-3520-572.63-07	\$15,000	CLEANUP	876
	12/10/2024	001-3520-572.63-07	\$348,201	CAPITAL ROLL RESOLUTION# 2024-112	1017
		001-3520-572.46-03	\$7,209		
	01/14/2025	001-3520-572.64-00	(\$46,373)	REPLENISH ANNUAL PAVING CLERK'S JOURNAL 1.14.25	1593
	01/28/2025	001-3520-572.64-00	(\$15,000)	UNDO FY25 BUDGET ESTIMATE PW BEATIFICATION MOWER	1774
		001-3520-572.64-00	(\$72,000)	UNDO FY25 BUDGET ESTIMATE PW REPLACEMENT GRAPPLE	1774
		001-3520-572.64-00	(\$67,000)	UNDO FY25 BUDGET ESTIMATE PW REPLACEMENT VEH#117	1774
		001-3520-572.64-00	(\$48,000)	UNDO FY25 BUDGET ESTIMATE PW REPLACEMENT VEH#136	1774
	01/30/2025	001-3520-572.46-00	\$25,372	EMERGENCY NONREIMBURSABLE RESOLUTION# 2025-005	1758
		001-3520-572.34-00	\$211		
		001-3520-572.31-03	\$6,540		
	01/31/2025	001-3520-572.64-00	\$78,737	2024 BOA LEASE BUDGET PW REPLACEMENT GRAPPLE	1776
		001-3520-572.64-00	\$57,403	2024 BOA LEASE BUDGET PW REPLACEMENT VEH#117	1776
		001-3520-572.64-00	\$64,965	2024 BOA LEASE BUDGET PW REPLACEMENT VEH#136	1776
	02/01/2025	001-3520-572.64-00	\$9,489	PW MOWER JANUARY CLEANUP	2165
	02/25/2025	001-3520-572.64-00	\$0	CORRECT BAF25-022-T 2/25/25 CLERK'S JOURNAL	2211

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
3520 - PARKS & BEAUTIFICATION	02/25/2025	001-3520-572.64-00	\$0	SHORE UP PW GRAPPLE 2/25/25 CLERK'S JOURNAL	2211
		001-3520-572.64-00	\$0	SHORE UP 2 PW VEHICLES 2/25/25 CLERK'S JOURNAL	2211
	02/28/2025	001-3520-572.12-00	(\$605)	COVER SHOE ALLOWANCE FEBRUARY CLEANUP	2397
		001-3520-572.20-00	\$605		
		001-3520-572.46-00	\$0	GIVE D4 PARK PROJ. BUDGET FEBRUARY CLEANUP	2397
		001-3520-572.46-00	(\$5,000)	SOLID WASTE MANAGEMENT FEBRUARY CLEANUP	2397
		001-3520-572.34-00	\$5,000		
	04/22/2025	001-3520-572.61-00	\$11,004	ALLEGRA DONATION .59 ACRE RESOLUTION# 2025-023	3169
		001-3520-572.61-00	\$203,296	ALLEGRA DONATION 10.9ACRE RESOLUTION# 2025-023	3169
11	Total Budget Amendments/Transfers		Division 3520 Total		\$2,122,952
3540 - PUBLIC WORKS- FLEET MAINT					
3540 - PUBLIC WORKS- FLEET MAINT	11/12/2024	001-3540-519.55-00	\$2,471	ENC/BUDADJ	399
		001-3540-519.64-00	\$173,227		
	12/10/2024	001-3540-519.56-15	\$15,000	CAPITAL ROLL RESOLUTION# 2024-112	1017
	02/28/2025	001-3540-519.12-00	(\$275)	COVER SHOE ALLOWANCE FEBRUARY CLEANUP	2397
		001-3540-519.20-00	\$275		
3	Total Budget Amendments/Transfers		Division 3540 Total		\$190,698

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
3550 - SANITATION					
3550 - SANITATION	03/18/2025	001-3550-534.34-00	(\$15,558)	MATCH SOLID WASTE PMT SEE 3-18 CLERK'S JOURNAL	2599
1	Total Budget Amendments/Transfers		Division 3550 Total		(\$15,558)
3560 - FACILITY MANAGEMENT					
3560 - FACILITY MANAGEMENT	11/12/2024	001-3560-519.56-15	\$14,772	ENC/BUDADJ	399
		001-3560-519.64-00	\$152,754		
		001-3560-519.46-02	\$8,802		
		001-3560-519.46-00	\$28,551		
	11/30/2024	001-3560-519.46-00	(\$8,000)	9) PICKLE BALL LIGHTS GEN OCT-NOV CLEANUP	876
		001-3560-519.44-00	\$8,000		
	12/10/2024	001-3560-519.64-00	\$44,161	CAPITAL ROLL RESOLUTION# 2024-112	1017
	02/01/2025	001-3560-519.46-02	(\$9,489)	PW MOWER JANUARY CLEANUP	2165
	02/28/2025	001-3560-519.20-00	\$845	COVER SHOE ALLOWANCE FEBRUARY CLEANUP	2397
		001-3560-519.12-00	(\$845)		
	03/21/2025	001-3560-519.56-15	(\$14,771)	BRIGHTLY SBITA SEE 3-18 CLERK'S JOURNAL	2604
		001-3560-519.46-02	(\$9,486)		
	04/30/2025	001-3560-519.46-02	(\$11,290)	4)BRIGHTLY IMPLIMENTATION APRIL CLEANUP	3409
		001-3560-519.56-15	\$11,290		
7	Total Budget Amendments/Transfers		Division 3560 Total		\$215,294

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
3580 - CAPITAL PROJECTS MNGMT					
3580 - CAPITAL PROJECTS MNGMT	11/12/2024	001-3580-519.64-00	\$24,317	ENC/BUDADJ	399
	12/10/2024	001-3580-519.64-00	\$529,141	CAPITAL ROLL RESOLUTION# 2024-112	1017
		001-3580-519.63-07	\$85,000		
2	Total Budget Amendments/Transfers		Division 3580 Total		\$638,458
22	Total Budget Amendments/Transfers		GENERAL FUND		\$7,956,700
3240 - HOUSING GRANTS					
3240 - HOUSING GRANTS	02/28/2025	103-3240-554.52-00	(\$650)	MONITORS 4 HOUSING COORD. FEBRUARY CLEANUP	2397
		103-3240-554.56-15	\$650		
1	Total Budget Amendments/Transfers		Division 3240 Total		\$0
1	Total Budget Amendments/Transfers		CDBG		\$0
3240 - HOUSING GRANTS					
3240 - HOUSING GRANTS	11/12/2024	104-3240-554.83-23	\$53,880	ENC/BUDADJ	399
	03/18/2025	104-3240-554.83-22	\$12,747	FY23 & PRIOR CHDO RESOLUTION# 2025-017	2597
		104-3240-554.83-23	\$154,800	FY23 & PRIOR 1ST TIME HB RESOLUTION# 2025-017	2597
		104-3240-554.12-00	\$1,707	FY24 ADMIN CARRYFORWARD RESOLUTION# 2025-017	2597
		104-3240-554.83-22	\$11,407	FY24 CHDO RESOLUTION# 2025-017	2597

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
3240 - HOUSING GRANTS	03/18/2025	104-3240-554.83-23	(\$53,880)	UNDO YE ROLL RESOLUTION# 2025-017	2597
	03/21/2025	104-3240-554.83-23	\$3	HOME FY24-25 DISBURSEMENT RESOLUTION# 2025-021	2614
		104-3240-554.12-00	(\$4)		
		104-3240-554.83-22	(\$1,669)		
		104-3240-554.39-00	(\$11,119)		
3	Total Budget Amendments/Transfers	Division 3240 Total		\$167,872	
3	Total Budget Amendments/Transfers	BREVARD COUNTY HOME		\$167,872	
3240 - HOUSING GRANTS					
3240 - HOUSING GRANTS	11/12/2024	105-3240-554.83-00	\$3,575	ENC/BUDADJ	399
	03/18/2025	105-3240-554.83-00	\$3,634	FY23 INTEREST CARRYFORWRD RESOLUTION# 2025-017	2596
		105-3240-554.83-00	\$68,881	FY23 REMAINING BUDGET RESOLUTION# 2025-017	2596
		105-3240-554.83-00	\$228,460	FY24 BUDGET TO ROLL RESOLUTION# 2025-017	2596
		105-3240-554.83-00	\$1,658	FY24 CR - 1510 N KENTUCKY RESOLUTION# 2025-017	2596
		105-3240-554.83-00	\$101	FY24 HHRP RESOLUTION# 2025-017	2596
		105-3240-554.83-00	\$7,203	FY24 INTEREST CARRYFORWRD RESOLUTION# 2025-017	2596
2	Total Budget Amendments/Transfers	Division 3240 Total		\$313,512	

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
2	Total Budget	SHIP/HOUSING	\$313,512		
	Amendments/Transfers	ASSISTANCE			
3200 - ADMINISTRATION					
3200 - ADMINISTRATION	11/12/2024	107-3200-524.34-00	\$17,616	ENC/BUDADJ	399
1	Total Budget	Division 3200 Total	\$17,616		
	Amendments/Transfers				
1	Total Budget	BUILDING PERMITS	\$17,616		
	Amendments/Transfers				
3230 - CRA ADMIN/OPERATIONS					
3230 - CRA ADMIN/OPERATIONS	11/12/2024	110-3230-559.64-15	\$27,855	ENC/BUDADJ	399
		110-3230-559.63-00	\$10,224		
		110-3230-559.31-00	\$38,700		
	12/10/2024	110-3230-559.63-00	\$800,000	CAPITAL ROLL RESOLUTION# 2024-112	1017
		110-3230-559.61-00	\$70,372		
		110-3230-559.64-00	\$23,993		
		110-3230-559.64-15	\$33,376		
		110-3230-559.63-07	\$4,501		
	01/06/2025	110-3230-559.39-00	(\$89,319)	SHORE UP CCRA TIF REVENUE RESOLUTION# CCRA 2024-250	1596
	02/01/2025	110-3230-559.71-00	(\$62,211)	RECLASS DEBT SERVICE JANUARY CLEANUP	2165
		110-3230-517.72-31	\$1,834		
		110-3230-559.72-00	(\$1,834)		
		110-3230-517.71-31	\$62,211		

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
3230 - CRA ADMIN/OPERATIONS	02/05/2025	110-3230-559.31-01	\$5,000	LEGAL FEE TOP-UP RESOLUTION# CCRA-2025-007	1859
	04/30/2025	110-3230-559.55-00	(\$1,135)	7) COVER TRAVEL EXPENSE APRIL CLEANUP	3409
		110-3230-559.40-00	\$1,829		
		110-3230-559.49-00	(\$694)		
6	Total Budget Amendments/Transfers	Division 3230 Total		\$924,702	
6	Total Budget Amendments/Transfers	CRA COCOA RDA		\$924,702	

3230 - CRA ADMIN/OPERATIONS

3230 - CRA ADMIN/OPERATIONS	11/12/2024	111-3230-559.83-00	\$5,700	ENC/BUDADJ	399
		111-3230-559.64-15	\$8,591		
		111-3230-559.31-00	\$38,700		
	12/10/2024	111-3230-559.64-15	\$2,097	CAPITAL ROLL RESOLUTION# 2024-112	1017
		111-3230-559.63-00	\$181,226		
	01/27/2025	111-3230-559.83-11	\$32,500	DSCRA UPSTART GRANT RES.# DSCRA 2025-039	1728
		111-3230-559.39-00	(\$47,735)	SHOREUP DSCRA TIF REVENUE RES.# DSCRA 2025-046	1731
	02/01/2025	111-3230-559.83-11	\$0	RECLASS DEBT SERVICE JANUARY CLEANUP	2165
	03/01/2025	111-3230-559.34-00	\$10,000	ANR PRGRM AWARD INCREASE RES# DSCRA-2025-047	2379
		111-3230-559.39-00	(\$10,000)	CFIP PRGRM AWARD INCREASE RES# DSCRA-2025-044	2380

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
3230 - CRA ADMIN/OPERATIONS	03/01/2025	111-3230-559.83-00	\$10,000	CFIP PRGRM AWARD INCREASE RES# DSCRA-2025-044	2380
	04/30/2025	111-3230-559.42-00	(\$100)	7) COVER TRAVEL EXPENSE APRIL CLEANUP	3409
		111-3230-559.40-00	\$100		
		111-3230-559.64-15	\$0	8) CORRECT PROJECT # APRIL CLEANUP	3409

6	Total Budget Amendments/Transfers	Division 3230 Total		\$231,079
6	Total Budget Amendments/Transfers	CRA DIAMOND SQUARE 626		\$231,079

1203 - INFORMATION TECHNOLOGY

1203 - INFORMATION TECHNOLOGY	11/12/2024	130-1203-516.63-00	\$28,631	ENC/BUDADJ	399
	12/12/2024	130-1203-516.63-00	(\$6,604)	UNEMCUMBERED ARPA ROLL RESOLUTION# 2024-114	1021

2	Total Budget Amendments/Transfers	Division 1203 Total		\$22,027
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1600 - GENERAL OPERATIONS

1600 - GENERAL OPERATIONS	11/12/2024	130-1600-513.56-15	\$15,625	ENC/BUDADJ	399
	12/12/2024	130-1600-513.56-15	(\$12,721)	UNEMCUMBERED ARPA ROLL RESOLUTION# 2024-114	1021
	03/18/2025	130-1600-581.91-01	\$13,934	ARPA INTEREST TRANSFERS RESOLUTION# 2024-115	2609

3	Total Budget Amendments/Transfers	Division 1600 Total		\$16,838
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2100 - POLICE ADMIN/OPERATIONS

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
2100 - POLICE ADMIN/OPERATIONS	11/12/2024	130-2100-521.64-00	\$234,766	ENC/BUDADJ	399
	12/12/2024	130-2100-521.64-00	\$9,234	UNEMCUMBERED ARPA ROLL RESOLUTION# 2024-114	1021
	12/23/2024	130-2100-521.64-00	\$56,341	ARPA REALLOCATION POLICE VEHICLE	1206
		130-2100-521.64-00	(\$9,234)	ARPA REALLOCATION REMAINDER - POLICE STRIPE	1206
3	Total Budget Amendments/Transfers		Division 2100 Total		\$291,107
3240 - HOUSING GRANTS					
3240 - HOUSING GRANTS	12/12/2024	130-3240-554.83-92	\$0	UNEMCUMBERED ARPA ROLL RESOLUTION# 2024-114	1021
1	Total Budget Amendments/Transfers		Division 3240 Total		\$0
3520 - PARKS & BEAUTIFICATION					
3520 - PARKS & BEAUTIFICATION	12/23/2024	130-3520-572.64-00	\$46,373	ARPA REALLOCATION REPLACEMENT VEHICLE #148	1206
1	Total Budget Amendments/Transfers		Division 3520 Total		\$46,373
3560 - FACILITY MANAGEMENT					
3560 - FACILITY MANAGEMENT	12/12/2024	130-3560-519.64-00	\$131,295	UNEMCUMBERED ARPA ROLL RESOLUTION# 2024-114	1021
	12/23/2024	130-3560-519.64-00	(\$92,315)	ARPA REALLOCATION HOLDING PLACE - PO ROLL	1206
		130-3560-519.64-00	(\$1,165)	ARPA REALLOCATION REMAINDER - CITY AC UNITS	1206

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
2	Total Budget Amendments/Transfers		Division 3560 Total		\$37,815
3580 - CAPITAL PROJECTS MNGMT					
3580 - CAPITAL PROJECTS MNGMT	12/12/2024	130-3580-572.63-00	\$0	UNEMCUMBERED ARPA ROLL RESOLUTION# 2024-114	1021
1	Total Budget Amendments/Transfers		Division 3580 Total		\$0
4	Total Budget Amendments/Transfers		AMERICAN RESCUE PLAN FUND		\$414,160
2100 - POLICE ADMIN/OPERATIONS					
2100 - POLICE ADMIN/OPERATIONS	02/11/2025	142-2100-521.54-00	\$100	STATE FORFITURE FUNDS RESOLUTION# 2025-007	2164
		142-2100-521.40-00	\$2,925		
		142-2100-521.55-00	\$6,975		
	03/27/2025	142-2100-521.40-00	\$2,925	INTEL/LEADERSHIP TRAINING RESOLUTION# 2025-007	2726
		142-2100-521.55-00	\$6,975		
		142-2100-521.54-00	\$100		
		142-2100-521.54-00	(\$100)	STATE FORFITURE FUNDS REVERSE GROUP# 2025-02164	2726
		142-2100-521.40-00	(\$2,925)		
		142-2100-521.55-00	(\$6,975)		
2	Total Budget Amendments/Transfers		Division 2100 Total		\$10,000
2	Total Budget Amendments/Transfers		POLICE SPECIAL EDUCATION		\$10,000
2100 - POLICE ADMIN/OPERATIONS					

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
2100 - POLICE ADMIN/OPERATIONS	10/14/2024	143-2100-521.52-00	\$6,825	EXPEND FEDERAL FORFEITURE RESOLUTION #: 24-096	123
1	Total Budget Amendments/Transfers	Division 2100 Total		\$6,825	
1	Total Budget Amendments/Transfers	FEDERAL FORFEITURE FUND		\$6,825	
1600 - GENERAL OPERATIONS					
1600 - GENERAL OPERATIONS	01/28/2025	201-1600-517.71-16	\$46,000	BOA LEASE DEBTSERVICE PMT	1777
		201-1600-517.71-17	\$99,000		
		201-1600-517.72-17	\$22,182		
		201-1600-517.72-16	\$19,640		
		201-1600-517.71-00	(\$380,000)	UNDO FY25 INTERFUND TXFR ESTIMATED DEBT FINANCING	1775
1	Total Budget Amendments/Transfers	Division 1600 Total		(\$193,178)	
1	Total Budget Amendments/Transfers	DEBT SERVICE FUND		(\$193,178)	
3570 - STORMWATER UTILITY					
3570 - STORMWATER UTILITY	11/12/2024	303-3570-538.63-73	\$1,667,960	ENC/BUDADJ	399
		303-3570-538.63-00	\$42,646		
		303-3570-538.63-08	\$62,043		
		303-3570-538.63-00	(\$24,155)	RETAINAGE RES. #24-103 PO# 81782	666
		303-3570-538.63-73	(\$128,164)		
	12/10/2024	303-3570-538.63-00	\$324,686	CAPITAL ROLL RESOLUTION#	1018

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
3570 - STORMWATER UTILITY	12/10/2024	303-3570-538.63-08	\$8,715	2024-112	1018
	03/21/2025	303-3570-538.63-00	\$343,177	FIX NON GRANT FISKE ROLL RESOLUTION# 2025-014	2600
		303-3570-538.63-73	\$1,937,668	REMAINING CONSTRUCTION RESOLUTION# 2025-014	2601
		303-3570-538.63-08	\$70,758	SDC REIMBURSABLE RESOLUTION# 2025-014	2601
		303-3570-538.63-08	\$15,395	SDC REIMBURSABLE REVISIT* RESOLUTION# 2025-014	2601
		303-3570-538.63-00	(\$324,686)	UNDO CAPITAL ROLL RESOLUTION# 2025-014	2600
		303-3570-538.63-08	(\$8,715)		
		303-3570-538.63-73	(\$1,667,960)	UNDO PO ROLL (ENC/BUDADJ) RESOLUTION# 2025-014	2600
		303-3570-538.63-08	(\$62,043)		
		303-3570-538.63-00	(\$42,646)		
		303-3570-538.63-00	\$24,155	UNDO RETAINAGE RESOLUTION# 2025-014	2600
		303-3570-538.63-73	\$128,164		

3	Total Budget Amendments/Transfers	Division 3570 Total	\$2,366,998
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3	Total Budget Amendments/Transfers	FISKE BV CMPLT STRTScape	\$2,366,998
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3580 - CAPITAL PROJECTS MNGMT

3580 - CAPITAL PROJECTS MNGMT	11/12/2024	304-3580-572.63-00	\$133,724	ENC/BUDADJ	399
	12/10/2024	304-3580-572.63-00	\$2,020	CAPITAL ROLL RESOLUTION# 2024-112	1018

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
2	Total Budget Amendments/Transfers		Division 3580 Total		\$135,744
2	Total Budget Amendments/Transfers		T DOCKS / BREAKWATER		\$135,744
1506 - INVENTORY					
1506 - INVENTORY	04/30/2025	421-1506-536.12-00	\$48,037	1) COVER WAGES THRU FY APRIL CLEANUP	3409
		421-1506-536.13-00	(\$55,529)		
		421-1506-536.22-00	\$2,000		
		421-1506-536.14-00	\$5,492		
1	Total Budget Amendments/Transfers		Division 1506 Total		\$0
1515 - UTILITY SUPPORT SERVICES					
1515 - UTILITY SUPPORT SERVICES	04/01/2025	421-1515-536.12-00	(\$1,153)	8) COVER ACCRUAL PAYOUTS MARCH CLEANUP	3136
		421-1515-536.12-12	\$1,153		
1	Total Budget Amendments/Transfers		Division 1515 Total		\$0
4010 - WATER ADMINISTRATION					
4010 - WATER ADMINISTRATION	10/08/2024	421-4010-536.31-00	(\$270,847)	TCR PROJECT TASK #2 RESOLUTION #: 24-097	122
	11/12/2024	421-4010-536.31-01	\$131,151	ENC/BUDADJ	399
		421-4010-536.47-00	\$15,255		
		421-4010-536.31-00	\$15,270		
	11/30/2024	421-4010-536.31-01	(\$8,551)	15) LEAD & COPPER MAILERS OCT-NOV CLEANUP	876

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment		Group Number
4010 - WATER ADMINISTRATION	11/30/2024	421-4010-536.47-00	\$8,551	15) LEAD & COPPER MAILERS	OCT-NOV CLEANUP	876
		421-4010-536.41-00	\$13	8) SAT PHONE SERVICES	OCT-NOV CLEANUP	876
		421-4010-536.31-00	(\$13)			
	12/10/2024	421-4010-581.91-24	\$26,260	VORTEX MANHOLE LINING RESOLUTION# 2024-111		1019
	01/03/2025	421-4010-536.31-01	(\$1,910)	DECEMBER CLEANUP	4) LAB AUDIT	1525
		421-4010-536.31-00	\$1,910			
	02/01/2025	421-4010-536.46-00	\$1,150	LAB OVEN REPAIR	JANUARY CLEANUP	2165
		421-4010-536.31-00	(\$1,150)			
	03/18/2025	421-4010-581.91-25	\$9,355	CORRECT DEBT SERVICE PMT RESOLUTION# 2025-015		2612
	04/22/2025	421-4010-581.91-24	\$528,113	BRANDES BUDG 4 OTHER PROJ RESOLUTION# 2025-026		3173
		421-4010-536.49-00	\$50	CHARGE-BACK FEES	RESOLUTION# 2025-026	3172
		421-4010-536.49-00	\$100,000	INTEREST PD. TO CUSTOMERS RESOLUTION# 2025-026		3172
		421-4010-536.49-00	\$2,726	ORLANDO SW ASESSMENTS RESOLUTION# 2025-026		3172
	04/30/2025	421-4010-536.82-00	\$1,000	12) FSAWWA DONATION	APRIL CLEANUP	3409
		421-4010-536.31-00	(\$1,000)			
9	Total Budget Amendments/Transfers		Division 4010 Total		\$557,333	

4011 - EMERGENCY/DISASTER SVS

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
4011 - EMERGENCY/DISASTER SVS	01/30/2025	421-4011-525.23-08	\$87	MILTON REIMBURSABLE RESOLUTION# 2025-005	1758
		421-4011-525.49-00	\$5,706		
		421-4011-525.23-07	\$87		
		421-4011-525.23-00	\$28		
		421-4011-525.21-00	\$4,802		
		421-4011-525.22-00	\$1,601		
		421-4011-525.12-00	\$66,781		
		421-4011-525.24-00	\$83		
		421-4011-525.23-04	\$2,345		
		421-4011-525.23-09	\$16		

1	Total Budget Amendments/Transfers	Division 4011 Total	\$81,536
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4020 - DYAL PLANT

4020 - DYAL PLANT	10/08/2024	421-4020-536.31-27	\$270,847	TCR PROJECT TASK #2	RESOLUTION #: 24-097	122
	11/12/2024	421-4020-536.55-00	\$3,687	ENC/BUDADJ		399
		421-4020-536.46-00	\$96,488			
		421-4020-536.46-02	\$162,233			
		421-4020-536.64-15	\$24,511			
		421-4020-536.52-09	\$7,388			
		421-4020-536.31-03	\$11,622			
		421-4020-536.34-00	\$7,000			
		421-4020-536.56-15	\$12,207			

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
4020 - DYAL PLANT	01/03/2025	421-4020-536.46-00	(\$8,000)	DECEMBER CLEANUP 2) SWALE PROJECT SJRMWD	1525
		421-4020-536.31-03	\$8,000		
		421-4020-536.46-00	(\$500)	DECEMBER CLEANUP 8) REPLACE MGNT SHIRTS	1525
		421-4020-536.52-00	(\$1,200)		
		421-4020-536.42-00	\$500		
		421-4020-536.52-02	\$1,200		
	02/28/2025	421-4020-536.12-12	\$1,370	COVER ACCRUAL PAYOUT FEBRUARY CLEANUP	2397
		421-4020-536.12-00	(\$1,370)		
		421-4020-536.12-00	(\$430)	COVER SHOE ALLOWANCE FEBRUARY CLEANUP	2397
		421-4020-536.20-00	\$430		
	03/01/2025	421-4020-536.64-00	\$92,830	DYAL SCADA AC UNITS 02/01/25 CLERK'S JOURNAL	2534
		421-4020-536.46-00	(\$92,830)		
	04/01/2025	421-4020-536.52-09	(\$15,000)	3) SCADA SERVER TRAINING MARCH CLEANUP	3136
		421-4020-536.55-00	\$15,000		
	04/08/2025	421-4020-536.46-00	\$60,000	STEWARTS PO - PUMP REPAIR CLERK'S JOURNAL 4.8.25	2976
		421-4020-536.52-09	(\$60,000)		
	04/30/2025	421-4020-536.64-00	\$57,542	9) FIRE RADIO&PULSAFEEDER APRIL CLEANUP	3409
		421-4020-536.46-02	(\$57,542)		
		421-4020-536.34-00	(\$60,000)	9) REPLENISH R&M ACCOUNT APRIL CLEANUP	3409
		421-4020-536.46-00	\$60,000		

8	Total Budget Amendments/Transfers	Division 4020 Total	\$595,983
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4025 - WATER FIELD OPERATIONS

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
4025 - WATER FIELD OPERATIONS	11/12/2024	421-4025-536.64-00	\$338,063	ENC/BUDADJ	399
		421-4025-536.46-00	\$255,060		
	12/10/2024	421-4025-536.64-00	\$66,532	CAPITAL ROLL RESOLUTION# 2024-112	1018
	02/28/2025	421-4025-536.12-12	\$4,861	COVER ACCRUAL PAYOUT FEBRUARY CLEANUP	2397
		421-4025-536.12-00	(\$4,861)		
		421-4025-536.12-00	(\$805)	COVER SHOE ALLOWANCE FEBRUARY CLEANUP	2397
		421-4025-536.20-00	\$805		
		421-4025-536.64-00	\$0		
	04/01/2025	421-4025-536.64-00	\$0	6) NEW LOCATOR - VAN #351 MARCH CLEANUP	3136

4	Total Budget Amendments/Transfers	Division 4025 Total	\$659,655
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4055 - ENGINEERING

4055 - ENGINEERING	11/12/2024	421-4055-536.31-03	\$1,220,643	ENC/BUDADJ	399
		421-4055-536.63-00	\$774,587		
	11/30/2024	421-4055-536.55-00	(\$165)	2) ENG CANON SERVICES OCT-NOV CLEANUP	876
		421-4055-536.46-00	\$165		
	12/10/2024	421-4055-536.63-00	\$210,574	CAPITAL ROLL RESOLUTION# 2024-112	1018
	04/01/2025	421-4055-536.12-00	(\$1,948)	8) COVER ACCRUAL PAYOUTS MARCH CLEANUP	3136
		421-4055-536.12-12	\$1,948		
	04/22/2025	421-4055-536.63-00	(\$420,315)	BRANDES PO#71924 CLOSED	3172

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
4055 - ENGINEERING	04/22/2025			RESOLUTION# 2025-026	
		421-4055-536.63-00	(\$210,574)	BRANDES REMAINING BUDGET RESOLUTION# 2025-026	3172
5	Total Budget Amendments/Transfers	Division 4055 Total		\$1,574,915	
4120 - SELLERS PLANT					
4120 - SELLERS PLANT	11/12/2024	421-4120-536.46-00	\$17,429	ENC/BUDADJ	399
		421-4120-536.34-00	\$880		
		421-4120-536.63-00	\$45,243		
		421-4120-536.46-02	\$2,475		
	02/28/2025	421-4120-536.20-00	\$565	COVER SHOE ALLOWANCE FEBRUARY CLEANUP	2397
		421-4120-536.12-00	(\$565)		
2	Total Budget Amendments/Transfers	Division 4120 Total		\$66,027	
4125 - SEWER FIELD OPERATIONS					
4125 - SEWER FIELD OPERATIONS	11/12/2024	421-4125-536.46-00	\$3,636	ENC/BUDADJ	399
	12/10/2024	421-4125-536.46-00	(\$26,260)	VORTEX MANHOLE LINING RESOLUTION# 2024-111	1019
	02/28/2025	421-4125-536.12-12	\$19,239	COVER ACCRUAL PAYOUT FEBRUARY CLEANUP	2397
		421-4125-536.12-00	(\$19,239)		
		421-4125-536.12-00	(\$195)	COVER SHOE ALLOWANCE FEBRUARY CLEANUP	2397
		421-4125-536.20-00	\$195		
3	Total Budget Amendments/Transfers	Division 4125 Total		(\$22,624)	

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
14	Total Budget	WATER/SEWER	\$3,512,825		
	Amendments/Transfers	FUND			
4010 - WATER ADMINISTRATION					
4010 - WATER ADMINISTRATION	03/18/2025	422-4010-581.91-25	(\$9,355)	CORRECT DEBT SERVICE PMT RESOLUTION# 2025-015	2612
1	Total Budget	Division 4010 Total	(\$9,355)		
	Amendments/Transfers				
1	Total Budget	WATER/SEWER	(\$9,355)		
	Amendments/Transfers	IMPACT FEE			
3570 - STORMWATER UTILITY					
3570 - STORMWATER UTILITY	11/12/2024	423-3570-538.63-00	\$407,522	ENC/BUDADJ	399
		423-3570-538.31-00	\$600		
		423-3570-538.63-35	\$51,222		
		423-3570-538.34-00	\$2		
		423-3570-538.52-00	\$1,659		
		423-3570-538.63-73	\$214,165		
		423-3570-538.63-73	(\$12,947)	RETAINAGE RES. #24-103 PO# 81782	666
		423-3570-538.63-00	(\$2,390)		
	01/01/2025	423-3570-538.63-00	\$7,790	CURED IN PLACE PIPELINING CLERK'S JOURNAL 12.10.24	1591
		423-3570-538.39-00	(\$7,790)		
	02/28/2025	423-3570-538.20-00	\$390	COVER SHOE ALLOWANCE FEBRUARY CLEANUP	2397
		423-3570-538.12-00	(\$390)		
		423-3570-538.12-00	(\$22,502)	OTHER SALARIES AND WAGES FEBRUARY CLEANUP	2397

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
3570 - STORMWATER UTILITY	02/28/2025	423-3570-538.13-00	\$22,502	OTHER SALARIES AND WAGES FEBRUARY CLEANUP	2397
	03/21/2025	423-3570-538.39-00	(\$19,874)	BUY FISKE PRJ. EXTRA PIPE SEE 3-18 CLERK'S JOURNAL	2602
		423-3570-538.63-00	\$19,874		
		423-3570-538.63-73	\$201,219	REMAINING CONSTRUCTION RESOLUTION# 2025-014	2601
		423-3570-538.63-73	(\$214,165)	UNDO PO ROLL (ENC/BUDADJ) RESOLUTION# 2025-014	2600
		423-3570-538.63-73	\$12,947	UNDO RETAINAGE RESOLUTION# 2025-014	2600
	04/30/2025	423-3570-538.52-30	(\$970)	14)COVER VEHICLE SHORTAGE APRIL CLEANUP	3409
		423-3570-538.64-00	\$970		
		423-3570-538.46-00	\$16,800	3) CONCRETE WALL REPAIR APRIL CLEANUP	3409
		423-3570-538.63-00	(\$16,800)		
5	Total Budget Amendments/Transfers		Division 3570 Total		\$659,834
5	Total Budget Amendments/Transfers		STORMWATER UTILITY		\$659,834
4020 - DYAL PLANT					
4020 - DYAL PLANT	11/12/2024	424-4020-536.63-00	\$163,559	ENC/BUDADJ	399
	12/10/2024	424-4020-536.63-07	\$275,000	CAPITAL ROLL RESOLUTION# 2024-112	1018
		424-4020-536.62-00	\$75,000		
		424-4020-536.63-00	\$1,580,747		
	01/03/2025	424-4020-536.64-00	\$0	DECEMBER CLEANUP 5) JOCKEY HIGH	1525

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
4020 - DYAL PLANT				PUMPS	
3	Total Budget Amendments/Transfers	Division 4020 Total			\$2,094,306
4025 - WATER FIELD OPERATIONS					
4025 - WATER FIELD OPERATIONS	01/28/2025	424-4025-536.63-63	\$1,200,000	PINEDA PHASE 2 GRANT -FED RESOLUTION# 2025-004	1759
		424-4025-536.63-64	\$135,000	PINEDA PHASE2 GRANT-STATE RESOLUTION# 2025-004	1759
1	Total Budget Amendments/Transfers	Division 4025 Total			\$1,335,000
4055 - ENGINEERING					
4055 - ENGINEERING	11/12/2024	424-4055-536.63-00	\$11,829,709	ENC/BUDADJ	399
		424-4055-536.63-78	\$2,615,124		
		424-4055-536.63-73	\$467,817		
		424-4055-536.63-08	\$13,610		
		424-4055-536.63-00	(\$42,550)	RETAINAGE RES. #24-103 PO# 80814	666
		424-4055-536.63-00	(\$188,524)	RETAINAGE RES. #24-103 PO# 81414	666
		424-4055-536.63-78	(\$53,236)		
		424-4055-536.63-00	(\$43,825)	RETAINAGE RES. #24-103 PO# 81782	666
		424-4055-536.63-73	(\$23,146)		
		424-4055-536.63-00	(\$16,747)	RETAINAGE RES. #24-103 PO# 82211	666
		424-4055-536.63-00	(\$61,442)	RETAINAGE RES. #24-103 PO# 82212	666
	11/30/2024	424-4055-536.63-00	\$0	3) CATALINA ISLE DR WM OCT-NOV CLEANUP	876

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
4055 - ENGINEERING	12/10/2024	424-4055-536.63-00	\$15,046,287	CAPITAL ROLL RESOLUTION# 2024-112	1018
		424-4055-536.63-08	\$1,785		
	03/18/2025	424-4055-536.63-00	\$150,232	WEST AVE BRIDGE WATERMAIN SEE 3-18 CLERK'S JOURNAL	2613
	03/21/2025	424-4055-536.63-00	\$444,671	REMAINING CONSTRUCTION RESOLUTION# 2025-014	2601
		424-4055-536.63-08	\$15,395	SDC REIMBURSABLE RESOLUTION# 2025-014	2601
		424-4055-536.63-08	(\$1,785)	UNDO CAPITAL ROLL RESOLUTION# 2025-014	2600
		424-4055-536.63-08	(\$13,610)	UNDO PO ROLL (ENC/BUDADJ) RESOLUTION# 2025-014	2600
		424-4055-536.63-73	(\$467,817)		
		424-4055-536.63-73	\$23,146	UNDO RETAINAGE RESOLUTION# 2025-014	2600
		424-4055-536.63-00	(\$150,232)	WEST AVE BRIDGE WATERMAIN SEE 3-18 CLERK'S JOURNAL	2613
	04/30/2025	424-4055-536.63-00	\$0	5) CORRECT PROJECT NUMBER APRIL CLEANUP	3409
6	Total Budget Amendments/Transfers	Division 4055 Total		\$29,544,862	

4120 - SELLERS PLANT

4120 - SELLERS PLANT	11/12/2024	424-4120-536.63-00	\$49,446	ENC/BUDADJ	399
		424-4120-536.64-15	\$8,032		
	12/10/2024	424-4120-536.64-15	\$771,651	CAPITAL ROLL RESOLUTION# 2024-112	1018
		424-4120-536.63-00	\$1,587,306		

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
4120 - SELLERS PLANT	02/11/2025	424-4120-536.64-15	\$0	SELLERS WRF PLCS 2/11/25 CLERK'S JOURNAL	2163
	04/22/2025	424-4120-536.64-15	\$528,113	BRANDES BUDG 4 OTHER PROJ RESOLUTION# 2025-026	3173
4	Total Budget Amendments/Transfers		Division 4120 Total		\$2,944,548
4125 - SEWER FIELD OPERATIONS					
4125 - SEWER FIELD OPERATIONS	11/12/2024	424-4125-536.63-00	\$179,709	ENC/BUDADJ	399
	12/10/2024	424-4125-536.63-00	\$26,260	VORTEX MANHOLE LINING RESOLUTION# 2024-111	1019
2	Total Budget Amendments/Transfers		Division 4125 Total		\$205,969
10	Total Budget Amendments/Transfers		RENEWAL & REPLACE FUND		\$36,124,685
4010 - WATER ADMINISTRATION					
4010 - WATER ADMINISTRATION	03/18/2025	425-4010-581.91-24	\$374,000	COCOA GROVES&WINWARD TXFR RESOLUTION# 2025-015	2610
1	Total Budget Amendments/Transfers		Division 4010 Total		\$374,000
1	Total Budget Amendments/Transfers		W/S RESTRICTED ASSETS		\$374,000
4020 - DYAL PLANT					
4020 - DYAL PLANT	10/08/2024	427-4020-536.31-37	\$2,031,352	TCR PROJECT TASK #2 RESOLUTION #: 24-097	122
		427-4020-536.31-36	\$180,566		
		427-4020-536.31-35	\$677,117		

FY 2025 EXPENSE BUDGET TRACKING WORKSHEET
EXPENSE TRANSFER/AMENDMENT DETAIL
AS OF 4/30/2025

Div Description	Transaction Date	Account Formatted	Transaction Amount	Resolution # / Description of Transfer or Amendment	Group Number
4020 - DYAL PLANT	10/08/2024	427-4020-536.31-34	\$1,354,235	TCR PROJECT TASK #2 RESOLUTION #: 24-097	122
	11/12/2024	427-4020-536.31-34	\$25,555	ENC/BUDADJ	399
		427-4020-536.31-36	\$3,408		
		427-4020-536.31-37	\$38,332		
		427-4020-536.31-35	\$12,778		

2	Total Budget Amendments/Transfers	Division 4020 Total	\$4,323,343
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2	Total Budget Amendments/Transfers	TCR/SJR PROJECT	\$4,323,343
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1801 - HUMAN RESOURCES

1801 - HUMAN RESOURCES	11/12/2024	520-1801-513.31-00	\$12,043	ENC/BUDADJ	399
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1	Total Budget Amendments/Transfers	Division 1801 Total	\$12,043
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1	Total Budget Amendments/Transfers	WORKERS COMPENSATION FUND	\$12,043
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64 Transfers & Amendments Between Oct 1, 2024 and Apr 30, 2025
FY 2025 Total Transfer & Amendments **\$57,349,405**

NOTE: Group #s represent a complete transaction that will net to zero. Add all expenses for each group number, then subtract the revenues related to the same group number and your total will equal zero

Report: Expense Budget Tracking Worksheet
Run by: Zoie R. Badalov

Date: 05/13/2025

CITY COUNCIL AGENDA ITEM

Memo Date: May 16, 2025
Agenda Date: May 27, 2025
File ID: 2025-476
Prepared By: Monica Arsenault, City Clerk
Through: Tammy Gemmati, Administrative Services Director
Requested Action: The City of Cocoa's Open Board Vacancies.

BACKGROUND:

The City of Cocoa currently has several vacancies on various boards and committees. This agenda item provides an overview of these vacancies, eligibility criteria and the application process for interested residents.

Current/Upcoming Vacancies:

Board of Adjustment

- 1 Regular member vacancy
- 2 Alternate member vacancies

Police Advisory Board

- 3 Regular member vacancies

Police Pension Board

- 1 Regular member vacancy

Sustainability Advisory Board

- 4 Regular member vacancies, 3 terms expired January 11, 2025

Eligibility Criteria:

- Must be a resident or owner of real property within the City limits of Cocoa.
- Must consent to a criminal background check.
- Be duly registered to vote in Brevard County.
- Must meet any other specific qualifications outlined in the board/committee's bylaws.
- Code Board: Additionally, appointments shall be made in accordance with

applicable law and ordinances on the basis of experience or interest in the subject matter jurisdiction of the respective code enforcement board, in the sole discretion of the local governing body. The membership of each enforcement board shall, whenever possible, include an architect, a businessperson, an engineer, a general contractor, a subcontractor, and a realtor. § 162.05, Fla. Stat.

- CRA Boards: Additionally, any person may be appointed as commissioner if he or she resides or is engaged in business, which means owning a business, practicing a profession, or performing a service for compensation, or serving as an officer or director of a corporation or other business entity so engaged, within the area of operation of the agency, which shall be coterminous with the area of operation of the county or municipality, and is otherwise eligible for such appointment under this part. § 163.356, Fla. Stat.
- Police and Fire Pension Boards: Additionally, special rules apply. Chs. 175 and 185, Fla. Stat.
- Cocoa Housing Authority: Additionally, special rules apply. The Mayor appoints and Council approves per Ch. 421, Fla. Stat.

Application Process:

Interested residents can apply on the City of Cocoa's website at <https://www.cocoaf.gov/119/Vacancies>.

PRIORITY AREA CONNECTION:

Community Outreach and Engagement

BUDGETARY IMPACT:

N/A

PREVIOUS ACTION:

N/A

RECOMMENDED MOTION:

The City of Cocoa's Open Board Vacancies.

RESOLUTION NO. 2024-049

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COCOA, BREVARD COUNTY, FLORIDA; ESTABLISHING A BOARD APPOINTMENT POLICY AND PROCEDURE FOR THE CITY COUNCIL TO UTILIZE WHEN MAKING APPOINTMENTS TO CITY BOARDS AND COMMITTEES; PROVIDING FOR THE REPEAL OF PRIOR INCONSISTENT RESOLUTIONS, SEVERABILITY, AND AN EFFECTIVE DATE.

WHEREAS, Section 2-58 of the Code of Ordinances of the City of Cocoa provides uniform procedures and requirements for establishing and/or abolishing boards and committees, appointing and removing members thereof, and conducting board and committee business; and

WHEREAS, the City Council of the City of Cocoa has established multiple boards and committees pursuant to the authority granted to the Council in Section 2-58 which serve to assist the City Council with tasks critical to efficient administration of City government and to provide members of the public with an opportunity to serve their community; and

WHEREAS, Section 2-58(e) of the Code of Ordinances provides that “all persons shall be appointed to, and removed from city boards and committees by majority vote of the city council,” and shall “serve at the pleasure of the city council;” and

WHEREAS, the City Council desires, via this Resolution, to create a uniform procedure which the City Council shall follow when appointing members to serve on City boards and/or committees; and

WHEREAS, providing a standardized board appointment process will serve to enhance the public’s confidence in the municipal services delegated to, and performed by, City boards and committees and to ensure that decisions of boards and committees are in the best interests of the City; and

WHEREAS, nothing in this Resolution is intended to supersede or conflict with Section 2-58 of the City Code and is merely intended to supplement the uniform procedures codified in such section; and

WHEREAS, this Resolution shall not apply to nor govern the process for filling vacancies on the City Council, which is addressed in Article III, Section 10 of the City Charter; and

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

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF COCOA, BREVARD COUNTY, FLORIDA, AS FOLLOWS:

Section 1. **Recitals.** The foregoing recitals are hereby fully incorporated herein by this reference as legislative findings of the City Council of the City of Cocoa.

Section 2. **Establishment of Board and Committee Appointment Process.**

BOARD AND COMMITTEE APPOINTMENT PROCESS

1. Board and Committee Member End-of-Term and Vacancy Procedures; Reappointment.

- a. The City Clerk shall notify the City Manager of the impending expiration of an appointment term for a currently serving board or committee member at least ninety (90) days prior to such expiration of their term or upon receiving a written resignation notice from a currently serving board or committee member.
- b. The vacancy or potential vacancy shall be advertised to the public by posting a notification of such vacancy on the City's website, social media, and newsletter, and by such other means directed by the City Manager. Such advertisement shall invite the public to apply for membership on the Board or Committee. Alternate members of the Board or Committee shall also be extended an invitation to apply for the vacancy.
- c. If a Board or Committee Member's term is expiring, they will be invited to apply for reappointment. Board and Committee members shall be informed that the Code of Ordinances, Section 2-58(f), provides that no board or committee member shall serve more than three (3) consecutive full terms on the same board or committee. However, the City Council has reserved the right to waive the term limitation set forth in Section 2-58(f) when the Council determines that the applicant pool of eligible persons desiring to serve on a board or committee is insufficient for any reason to appoint a different person to replace the board or committee member being termed out. Board or committee members applying for reappointment shall be considered for reappointment in accordance with Section 3 below and amongst other candidates that have applied for the seat, if any.
- d. Persons wishing to be considered for appointment to a City board or committee must submit an online application for appointment to the City Clerk's Office no later than thirty (30) calendar days after the vacancy or potential vacancy is advertised. Vacancy advertisements may be extended at the discretion of the City Manager. Application assistance is available through the City Clerk's Office by phone (321) 433-8480 or email cityclerk@cocoafl.gov.
- e. The City Clerk's Office shall review the applications, assess applicants' qualifications for the position to which they have applied in accordance with Section 2-58 of the Code of Ordinances, and conduct background checks of each applicant upon receipt.

- f. The City Council shall consider applicants for the seat at its next regularly scheduled meeting following the closing of the period for acceptance of applications and the completion of the investigation into the qualifications of the applicants and shall vote to appoint or reappoint a member either (1) immediately for a currently vacant seat; or (2) effective upon the expiration of the term of the currently serving member for an upcoming vacancy on the board or committee. The City Clerk shall attempt to schedule consideration of the appointment no later than the first City Council meeting of the month prior to the term expiration to ensure seats will be filled.
- g. Appointees approved by the City Council will assume their Board Member or Committee Member positions and responsibilities immediately upon the expiration of the incumbent Member's term, or immediately for the remainder of the term if the seat has an unexpired term and is vacant.
- h. Reappointments may be made in accordance with Section 3 below.

2. Qualification of Board and Committee Members and Factors to be Considered during Appointment

- a. All board and committee members must meet the requirements of Section 2-58(c) of the City of Cocoa Code of Ordinances, as may be amended from time to time. Any person nominated, elected, or appointed to serve on a board or committee of the City shall satisfy the following requirements, except as otherwise provided by state or federal law:
 - i. Applicants must complete an application as prescribed by the City Council;
 - ii. Applicants must consent to a standard criminal background check;
 - iii. Applicants must be a resident or owner of real property, and a registered voter as defined in Section 2-58 of the City Code unless the City Council by unanimous vote waives this requirement upon a determination that a vacancy on a board or committee must be filled by a person with specialized skills and training and a resident or owner of real property and who is a registered voter with such skills and training cannot be reasonably found to fill the vacancy. If said requirement is waived, the vacancy shall only be filled by a person who is a resident or an owner of real property within the city; and
 - iv. Applicants must never have been convicted or found guilty, regardless of adjudication, of a felony in any jurisdiction, any plea of nolo contendere shall be considered a conviction for purposes of this paragraph, unless civil rights have been restored.
 - v. Any other requirements imposed by state law applicable to a board or committee.
- b. All applicants shall abide by and be subject to the provisions of Chapter 112, Florida Statutes, Part III, pertaining to the Code of Ethics for Public Officers and Employees, and shall meet any requirements set forth therein.
- c. City employees shall not be permitted to apply to Boards or Committees unless otherwise approved by the City Manager.

- d. The City Council shall take into consideration general qualifications in analyzing an applicants' fitness for a particular board or committee appointment. General qualifications for the City Council to consider when reviewing applicants shall include, but not be limited to, the following:
 - i. Whether applicant has relevant expertise related to the purpose and function of the board or committee.
 - ii. Whether the applicant is interested in serving their community.
 - iii. The applicant's professional business experience, including but not limited to their degree of involvement in managing a business or other corporate entity.
 - iv. Applicant's willingness to perform all board or committee member responsibilities and duties.
 - v. Applicant's ability to commit the time necessary to fulfill such duties and responsibilities required of board or committee members, including attending scheduled meetings.
 - vi. Applicant's knowledge of the respective roles of the City Council and board or committee members, and knowledge of the general operation of the City.
 - vii. The applicant's personal integrity, character, intelligence, and ability to work well with others.
 - viii. Geographic diversity of the Board with respect to residency in each of the single member voting districts.
 - ix. Whether the Applicant already serves on another Board or Committee. In some cases, such as where the Boards or Committees possess final decisionmaking authority, appointment on two Board or Committees will be prohibited.

3. Reappointment Process for Board and Committee Members

- a. All Board Members shall serve terms as outlined in the Code of Ordinances, Section 2-58. Members who have not exceeded their maximum allowable number of terms may be reappointed by the City Council and will be considered along with any new applicants who have applied for the position. Factors to be considered in the reappointment include, but are not limited to, the following:
 - i. The member's satisfaction of the general qualifications under Section 2.
 - ii. The demonstrated ability of the member to work collaboratively with the City Staff and the City Council to further the goals and tasks of the City of Cocoa.
 - iii. The overall performance and level of commitment by the member to the board or committee on which they serve.

4. Voting on Appointments by Ballot

- a. In circumstances where there are more applicants for membership on a board or committee than there are vacancies for that board or committee, the City Council

shall vote by ballot to choose the next member or members of said board or committee.

b. Process for Voting by Ballot:

- i. The City Clerk shall create ballots, one for each City Councilmember, which contain the names of all board/committee applicants and a space for Councilmembers to rank said applicants.
- ii. At the public meeting at which the Council will appoint board or committee members, during the section of the agenda where appointment is to take place, the Clerk shall provide the Councilmembers with the ballots.
- iii. Councilmembers shall, on their ballots, write their name and indicate the order in which they prefer all applicants, placing the numeral 1 beside their first preference, the numeral 2 beside their second preference, and so on for every possible choice.
- iv. Once all Councilmembers have completed their ballots, the Clerk shall collect all ballots and tally the votes for each applicant. The City Clerk shall announce the applicant with the lowest number of points, who shall be appointed to the seat. If there are multiple seats open, the applicant with the second lowest number of points shall be appointed as well, and so on. If multiple seats are open with different term lengths, the applicant with the lowest number of points shall be appointed to the seat with the longest term, the applicant with the second lowest number of points shall be appointed to the seat with the second longest term, and so on.
- v. The applicants selected in accordance with the ballot voting procedure shall be appointed to the vacant board or committee seat by motion of the City Council.

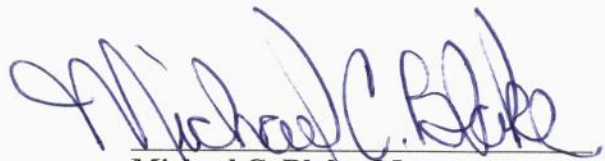
- c. The process of voting by ballot herein adopted supersedes the procedure for appointments of boards and committees established in Resolution 2013-99 of the City Council Rules of Procedure, Article XII, Section A.

Section 3. **Repeal of Prior Inconsistent Resolutions.** All resolutions or parts of resolution in conflict herewith are hereby repealed to the extent of the conflict.

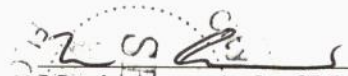
Section 4. **Severability.** If any section, subsection, sentence, clause, phrase, word, or portion of this Resolution is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct, and independent provision and such holding shall not affect the validity of the remaining portion hereto.

Section 5. **Effective Date.** This Resolution shall become effective immediately upon adoption by the City Council of the City of Cocoa, Florida.

ADOPTED in a Regular Meeting of the City Council of the City of Cocoa, Florida, this 4th day of June, 2024.


Michael C. Blake, Mayor

ATTEST:


Monica Arsenault, CMC, City Clerk



CITY COUNCIL AGENDA ITEM

Memo Date: May 16, 2025
Agenda Date: May 27, 2025
File ID: 2025-478
Prepared By: Monica Arsenault, City Clerk
Through: Stockton Whitten, City Manager
Requested Action: Bi-Weekly Report for May 8, 2025-May 22, 2025.

BACKGROUND:

N/A

PRIORITY AREA CONNECTION:

Community Outreach and Engagement
Organizational Effectiveness

BUDGETARY IMPACT:

N/A

PREVIOUS ACTION:

N/A

RECOMMENDED MOTION:

Bi-Weekly Report for May 8, 2025-May 22, 2025.



Office of the City Manager

65 Stone Street • Cocoa, FL 32922

PHONE: (321) 433-8660

To: Mayor and City Council Members

From: Stockton Whitten, City Manager

Date: May 8 – May 22, 2025

Subject: Council Update Report

This report is intended to serve as a departmental update to City Council. While not all inclusive, it should provide you with an idea of key activities departmental staff are involved in. If you have any questions on any of the items, please feel free to contact me.

Administrative Services

- Records request stats: 11 received/ 5 closed out - \$0 collected in fees
- Employment opportunities link: <https://www.governmentjobs.com/careers/cocoafl>
- New employees
 - Joanne Bryce – Accounts Payable Clerk, Finance/General Accounting, April 21, 2025
 - Dalyn Sims – Help Desk Support Technician, Information Technology, April 14, 2025
- Recent promotions
 - N/A
- Upcoming retirements
 - Terry Brizendine – Field Inspector II, Utilities/Engineering, May 2, 2025 – 11 Years of Service

Communication and Economic Development

- Media Stories:
 - [Cocoa Police K-9 Officer Draco Wows Crowd at 'Woof it Up' Event at Riverfront Park](#)

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- [City of Cocoa to Host District 3 Townhall Meeting at Catherine Schweinsberg Rood Central Library April 24](#)
- [Healthcare update: Know Your Urgent Care, Emergency Room Locations and Options](#)
- [City of Cocoa: What Closure of Orlando health Rockledge Hospital Means for City of Cocoa](#)
- [Adding Fluoride to water draws pushback in Cocoa](#)
- [Save the date: Cocoa's Annual Hurricane Preparedness Expo Set for May 27](#)
- [Public Service Spotlight: Cocoa Police Department Makes Promotions, Swears in New Officers](#)
- [Cocoa Police Department Welcomes New Officer Carly Rosas with Special Swearing-in Ceremony](#)
- [Cocoa Police Provide Tips for Protecting Yourself from Identity Theft](#)
- [Drug Take-Back Day by Cocoa Police Department Set April 26](#)
- New News Releases:
 - [What the Closure of Orlando Health Rockledge Hospital Means for Cocoa](#)
 - [Historic Cocoa Village Named Florida Main Street Program of the Month](#)
 - [April is Water Conservation Month in Florida](#)
- Social media/e-newsletter statistics
 - [Facebook](#)
 - Post reach: 70,082
 - Post engagement: 6,814
 - Followers: 16,819
 - [Twitter](#)
 - Followers: 3,658
 - [LinkedIn](#)
 - Post impressions: 390
 - Followers: 1,394
 - [NextDoor](#)
 - Impressions: 751
 - Members: 5,903
 - [April e-newsletter](#) (Sent 4/7/25)
 - Sent to 796 contacts
 - 46% open rate (average open rate for e-mail marketing in 2024 is 20%)
 - Next printed FYI Newsletter mails July 1, 2025.
- Upcoming special events at Leisure Services facilities:
 - [**AEG Presents Chace Rice Go Down Singin' International Tour 2025**](#)
 - April 25, 2025, 6-10:30pm
 - Riverfront Park
 - [**The Preclampsia Foundation presents the Space Coast Promise Walk**](#)
 - May 3, 2025, 7-10am
 - Myrt Tharpe Square Gazebo
 - [**HCVMS Summer Art and Craft Fair**](#)
 - May 10, 2025, 10am-6pm
 - Cocoa Village and Riverfront Park

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Community Services – update 5/20/25

- **New businesses – March 1, 2025 – April 30, 2025**

Commercial Business Name / DBA	Physical Address	# FT Employees	# Pt Employees	Council District	Description
Orchid Lake LTD, Housing Community	1490 Dignity Circle, 32922	2	2	4	Orchid Lake Rental Community
Tienda Quetzal. LLC	1102 LAKE DRIVE, 32922	0	0	1	Convenience Store ***New Location***
3 sips of Sunshine DBA The Knot Wine Bar	409 Delannoy Ave # 108 32922	0	0	1	New Owner The Knot Wine Bar
MO Magic 11 LLC, DBA Wing Stop	2301 Highway 524 #110	2	25	3	Wings & things Food Service
Retro Gaming Museum LLC	1515 N. Cocoa Blvd # 3 Unit 32922	4	0	2	Retail Gift Shop & video Museum
Space Coast Oasis LLC	970 N Cocoa Blvd, 32922	1	0	1	Massage Therapy / Facial & Body
The Village Cycle - Velo Enterprises	629 Brevard Ave, 32922	0	2	1	Bike Sales & Service & Repairs
Ashley Robertson LLC, M & LCSWSW, Ste # 3/ 32922	1 Oleander Street, Ste # 3/ 32922	1	0	1	License Social Worker / MH Therapist
800 Food Mart - New Owners	807 N Fiske Blvd, 32922	1	1	2	New owner of Convenience store
National Entertainment Network LLC	2700 Clearlake Road, 32926	0	0	4	Claw Machine Inside Walmart Store in front store
Score Physical Therapy DBA Body Blox PT	1635 N Cocoa Blvd, 32922	1	0	2	Physical Therapy Services Clinic

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The Village Art Gallery, LLC	200 Brevard Ave, 32922	0	0	1	Art Gallery Sales & Instrument repairs
Procon Consulting, LLC	113 King Street, 32922	3	0	1	Consulting Firm
The Shabby Loft, LLC	425 Brevard Ave, 32922	0	4	1	Gift store & Vintage deco
Kevin & Krista Wall	2003 Muskingum Ave, 32926	0	0	4	Short Term Rental Property
Home Business BTR	Physical Address	# FT Employees	# PT Employees	Council District	Description
K&D Welding and Fabrication Corp	3014 Sandgate Court, 32926	1	0	3	Welding & Fabrications services off site
Uncle Batz Rental's	1314 Elizabeth Ave, 32922	1	0	2	Table & Chair Event Rentals Delivery
Gentle Heart Of Florida LLC	709 Thomas Avenue, 32922	3	0	2	Residential Group Home max 6 residents
Ignite Athletics, LLC	2940 Denham Road, 32926	1	0	3	off Site Cheerleading Instruction
Seba's Lawncare & Landscaping, LLC	1208 ALAMANDA LN 32922	0	0	2	LAWNCARE LANDSCAPING
Lauren Elise Lux Cleaning Services	1918 Ivy Drive, 32922	0	0	4	Residential & Commercial Cleaning Services

March 1-April 30: building inspections – 587

March 1 – April 30: building permits issued – 239

Finance

No report.

Fire Department

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- Department advertised position vacancies and selected 1 new member starting on May 12th.
- Re-opened position vacancy with a testing process scheduled for May 20th looking to hire 3.
- Administrative staff participated in a Full Scale Exercise for MIR resiliency through the East Coast Regional Planning Council.
- Total calls for service April 18 through May 7th: 289 calls with 180 of those calls being calls for service for emergency medical assistance/transport.

Information Technology

- Project updates/highlights
 - Upgraded Hardware procured for CH Hosts
 - UCP Operational for deployment
 - Valencia College intern continues assignment in IT
- Helpdesk stats as of 9/20/2024
 - 151 open helpdesk tickets
 - 498 new tickets opened in last 30 days
 - 462 tickets closed/resolved in last 30 days
 - 5359 tickets opened in last 365 days

Police Department Updated April 18 – May 7, 2025

- Activity/Event highlights
 - Attended Public Safety Sponsor meeting at Cocoa H.S 4/22/25
- New project/training updates
 - Civilian attended RX Drug Prevention Summit 4/22/25
 - 2 officers attended speed measurement 4/21/25-04/25/25
- Chief's walk highlights
 - District 3 near Coventry and Winchester Dr 4/23/25
 - District 3 Townhall meeting 4/24/25
- Community engagement highlights/events
 - Chief's Breakfast fundraising event 4/29/25
- Call stats-Crime Stats: January 1, 2025 – April 27, 2025 (For comparison purposes January 1, 2024-April 27, 2024, data is also included)
 - Property Crimes Offenses have decreased by 20%.
 - Violent Crime Offenses decreased by 18%
 - Overall, crime offenses have decreased by 19%.

Public Works

- Major project updates
 - Fiske and Broadmoor Acres – Under Construction

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- Lee Wenner Park Parking Lot Improvements Project – Under Construction
- Work order stats (received/closed)
 - 123 received
 - 109 closed
 - Residential Bulk Green Waste Requests This Period: 119
- Projects of interest managed by other agencies (FDOT, County, Brightline, etc.)
 - FDOT
 - SR 524 PD&E Study (437983-1) – In Progress
 - SR 501 Safety Project (447085-1) – Under Construction
 - SR 528 Widening and Reconstruction (407402-3) – In Design
 - SR 520 Safety Project Cox to Aurora (445689-1) - Under Construction
 - SR 520 Safety Project Aurora to Causeway (442885-1) - Under Construction
 - Brightline/FEC
 - SCTPO wrapping up the Intermodal Station Feasibility Study.
 - RCE Grant Application – 4 quadrant gates at W. Highland crossing – Submitted by SCTPO.

Utilities

- Capital Project Updates: <https://www.cocoafl.org/1660/Utilities-Capital-Improvement-Projects>
- Operations – September
 - WFO Issued Work Orders – 1,097
 - WFO Completed Work Orders – 970
 - Hydrants Flushed – 474
 - Valves Exercised – 13
 - Utility Locate Requests – 2,360
 - SFO Issued Work Orders – 121
 - SFO Completed Work Orders – 84

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