



# City of Palm Coast

## Agenda

### COUNCIL WORKSHOP

City Hall  
160 Lake Avenue  
Palm Coast, FL 32164  
[www.palmcoastgov.com](http://www.palmcoastgov.com)

*Mayor David Alfin*  
*Vice Mayor Eddie Branquinho*  
*Council Member Ed Danko*  
*Council Member Nick Klufas*

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**Tuesday, March 8, 2022**

**9:00 AM**

**COMMUNITY WING**

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#### City Staff

**Denise Bevan, City Manager**

**Neysa Borkert, City Attorney**

**Virginia A. Smith, City Clerk**

- Public Participation shall be in accordance with Section 286.0114 Florida Statutes.
- Other matters of concern may be discussed as determined by City Council.
- If you wish to obtain more information regarding the City Council's agenda, please contact the City Clerk's Office at 386-986-3713.
- In accordance with the Americans with Disabilities Act, persons needing assistance to participate in any of these proceedings should contact the City Clerk at 386-986-3713, at least 48 hours prior to the meeting.
- City Council Meetings are streamed live on YouTube at <https://www.youtube.com/user/PalmCoastGovTV/live>.
- All pagers and cell phones are to remain OFF while City Council is in session.

#### **A CALL TO ORDER**

#### **B PLEDGE OF ALLEGIANCE TO THE FLAG**

#### **C ROLL CALL**

#### **D PUBLIC PARTICIPATION**

Public Participation shall be held in accordance with Section 286.0114 Florida Statutes. And pursuant to the City Council's Meeting Policies and Procedures:

- (1) Each speaker shall at the podium, provide their name and may speak for up to 3 minutes.
- (2) The Public may provide comments to the City Council relative to matters not on the agenda at the times indicated in this Agenda. Following any comments from the public, there may be discussion by the City Council.
- (3) When addressing the City Council on specific, enumerated Agenda items, speakers shall:
  - (a) direct all comments to the Mayor;
  - (b) make their comments concise and to the point;
  - (c) not speak more than once on the same subject;
  - (d) not, by speech or otherwise, delay or interrupt the proceedings or the peace of the City

Council;

(e) obey the orders of the Mayor or the City Council; and

(f) not make any irrelevant, impertinent or slanderous comments while addressing the City Council; which pursuant to Council rules, shall be considered disorderly.

(4) Any person who becomes disorderly or who fails to confine his or her comments to the identified subject or business, shall be cautioned by the Mayor and thereafter must conclude his or her remarks on the subject within the remaining designated time limit.

Any speaker failing to comply, as cautioned, shall be barred from making any additional comments during the meeting and may be removed, as necessary, for the remainder of the meeting.

Members of the public may make comments during the public comment portion of the meeting. Please be advised that public comment will only be permitted during the public comment portions of the agenda at the times indicated by the Chair during the meeting.

## **E PRESENTATIONS**

### **1 PRESENTATION - NATIONAL CITIZEN SURVEY RESULTS**

### **2 RESOLUTION 2022-XX APPROVING THE ASSESSMENT OF FAIR HOUSING**

### **3 RESOLUTION 2022-XX APPROVING THE AFFORDABLE HOUSING INCENTIVES REPORT FOR THE STATE HOUSING INITIATIVES PARTNERSHIP (SHIP) PROGRAM**

### **4 PRESENTATION - TOWN CENTER VISION**

### **5 RESOLUTION 2022-XX APPROVING A WORK ORDER WITH ENGLAND-THIMS & MILLER, INC., FOR ENGINEERING SERVICES FOR EAST-WEST EXTENSION FEASIBILITY STUDY**

### **6 RESOLUTION 2022-XX APPROVING AMENDMENTS TO THE FACILITY DESIGN CONTRACT AND CONSTRUCTION SERVICES CONTRACT FOR THE PUBLIC WORKS FACILITY**

### **7 RESOLUTION 2022 -XX APPROVING A WORK ORDER WITH DRMP, INC., FOR ENGINEERING DESIGN SERVICES FOR MATANZAS PARKWAY WEST EXTENSION**

### **8 RESOLUTION 2022-XX APPROVING A WORK ORDER WITH ENGLAND-THIMS & MILLER, INC., FOR ENGINEERING SERVICES FOR WHITEVIEW PARKWAY FINAL DESIGN**

## **F PUBLIC PARTICIPATION**

Remainder of Public Comments is limited to three (3) minutes each.

## **G DISCUSSION BY CITY COUNCIL OF MATTERS NOT ON THE AGENDA**



**H DISCUSSION BY CITY ATTORNEY OF MATTERS NOT ON THE AGENDA**

**I DISCUSSION BY CITY MANAGER OF MATTERS NOT ON THE AGENDA**

**J ADJOURNMENT**

**9 WORKSHEET**

# City of Palm Coast, Florida Agenda Item

Agenda Date: March 8, 2022

<b>Department</b>	COMMUNICATIONS & MARKETING	<b>Amount</b>
<b>Item Key</b>	13196	<b>Account #</b>
<b>Subject</b>	PRESENTATION - NATIONAL CITIZEN SURVEY RESULTS	
<b>Presenter:</b>	Brittany Kershaw, Director of Communications & Marketing	
<b>Background:</b>	<p>As part of the annual Strategic Action Plan process, a comprehensive citizen survey is conducted. Staff utilized the National Research Center, Inc. (NRC) and Polco to facilitate the National Citizen Survey (NCS), a statistically sound survey that is sent to a systematic sampling of all households within the City. This benchmarking survey provides a comprehensive and accurate picture of livability and resident perspective about local government services, policies, and management. The NCS compared local results with benchmarks compiled from surveys conducted across the U.S.</p> <p>To prepare for the survey, staff compiled draft topics for the three allowed custom questions and sought feedback from City Council. The custom questions covered the topics of street maintenance and enhancements, swales, and saltwater canal dredging.</p> <p>The National Citizen Survey was conducted from December 2021 through January 2022. The first phase of the survey is open only to the systematic sampling of 2,400 households. This phase accounts for the “scientific” portion of the survey.</p> <p>All households within the City of Palm Coast were eligible to participate in the survey. A list of all households within the zip codes serving Palm Coast was purchased from Go-Dog Direct based on updated listings from the United States Postal Service. Since some of the zip codes that serve the City of Palm Coast households may also serve addresses that lie outside of the community, the exact geographic location of each housing unit was compared to community boundaries using the most current municipal boundary file. Addresses located outside of the City of Palm Coast boundaries were removed from the list of potential households to survey. Each address identified as being within city boundaries was further identified as being within one of the four districts. From that list, addresses were randomly selected as survey recipients, with multi-family housing units (defined as those with a unit number) sampled at a rate of 5:3 compared to single family housing units.</p> <p>An individual within each household was selected using the birthday method. The birthday method selects a person within the household by asking the “person whose birthday has most recently passed” to complete the questionnaire. The underlying assumption in this method is that day of birth has no relationship to the way people respond to surveys. This instruction was contained in the introduction of the survey.</p>	

Phase 2 - At the conclusion of the scientific phase, the survey is opened to the general public and hosted through the Polco platform. This open survey was promoted by City staff through radio, local media, City-operated social media outlets, as well as word-of-mouth at City-operated facilities.

Staff has compiled the results and will present the findings to City Council as part of the Strategic Action Plan process.

**Recommended Action :**  
**FOR PRESENTATION ONLY**



# 2021 Citizen Survey Results





## The Citizen Survey

- **Monitors pulse of the community**
- **Civic engagement**

**Feedback**

- **Tracking trends**
- **Posted to City website**

**Reporting**

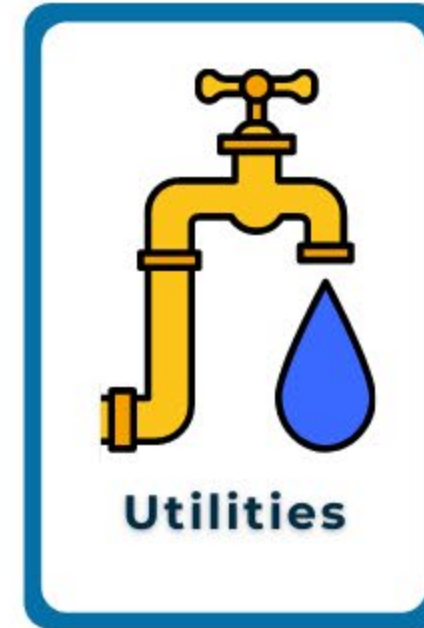
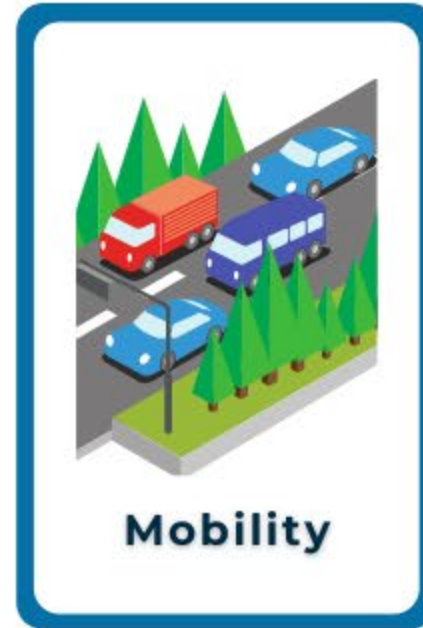
- **Allocates resources**
- **Targets opportunities for improving services**

**Planning**





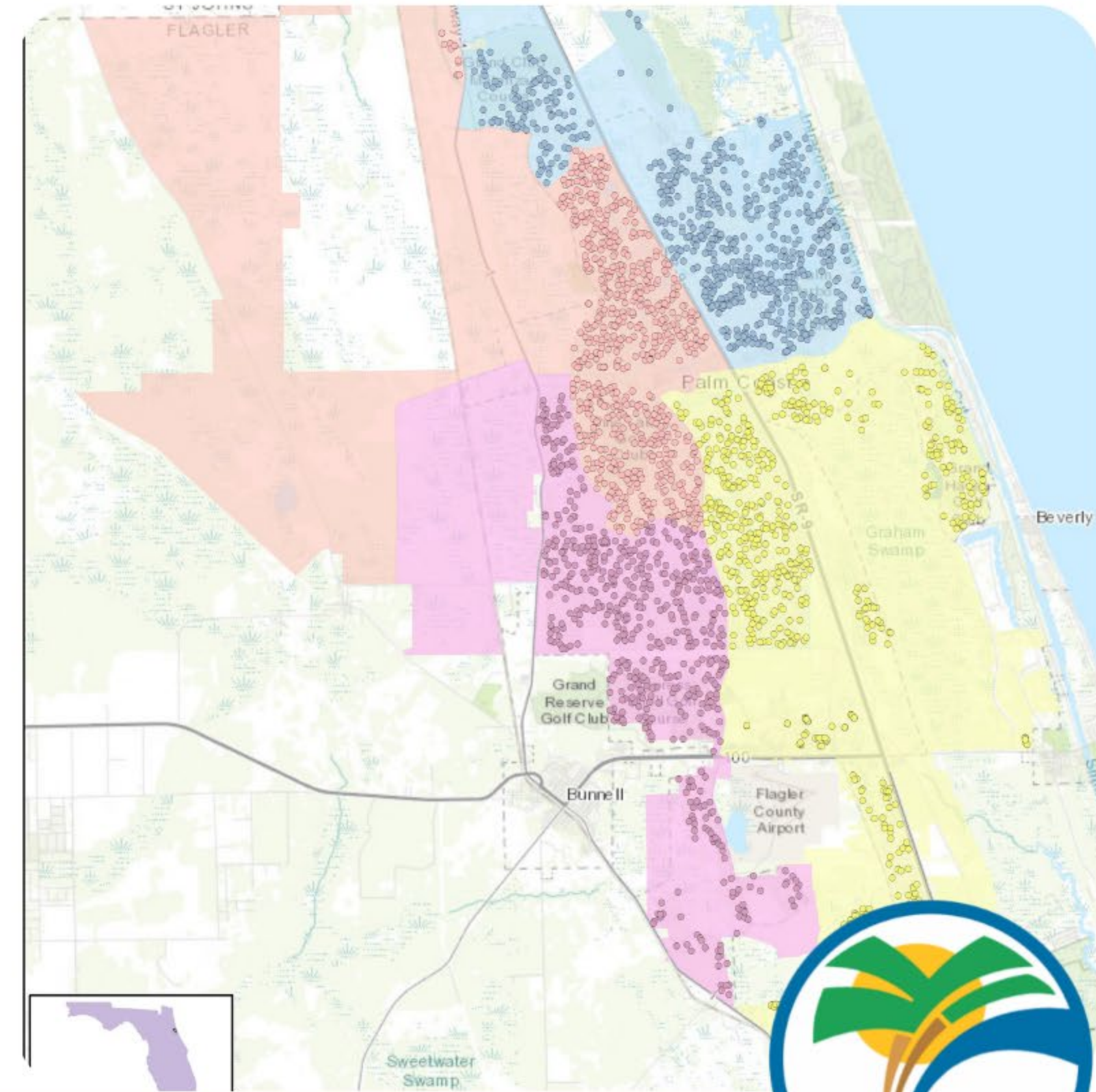
## Survey Focus





## Scientific Survey

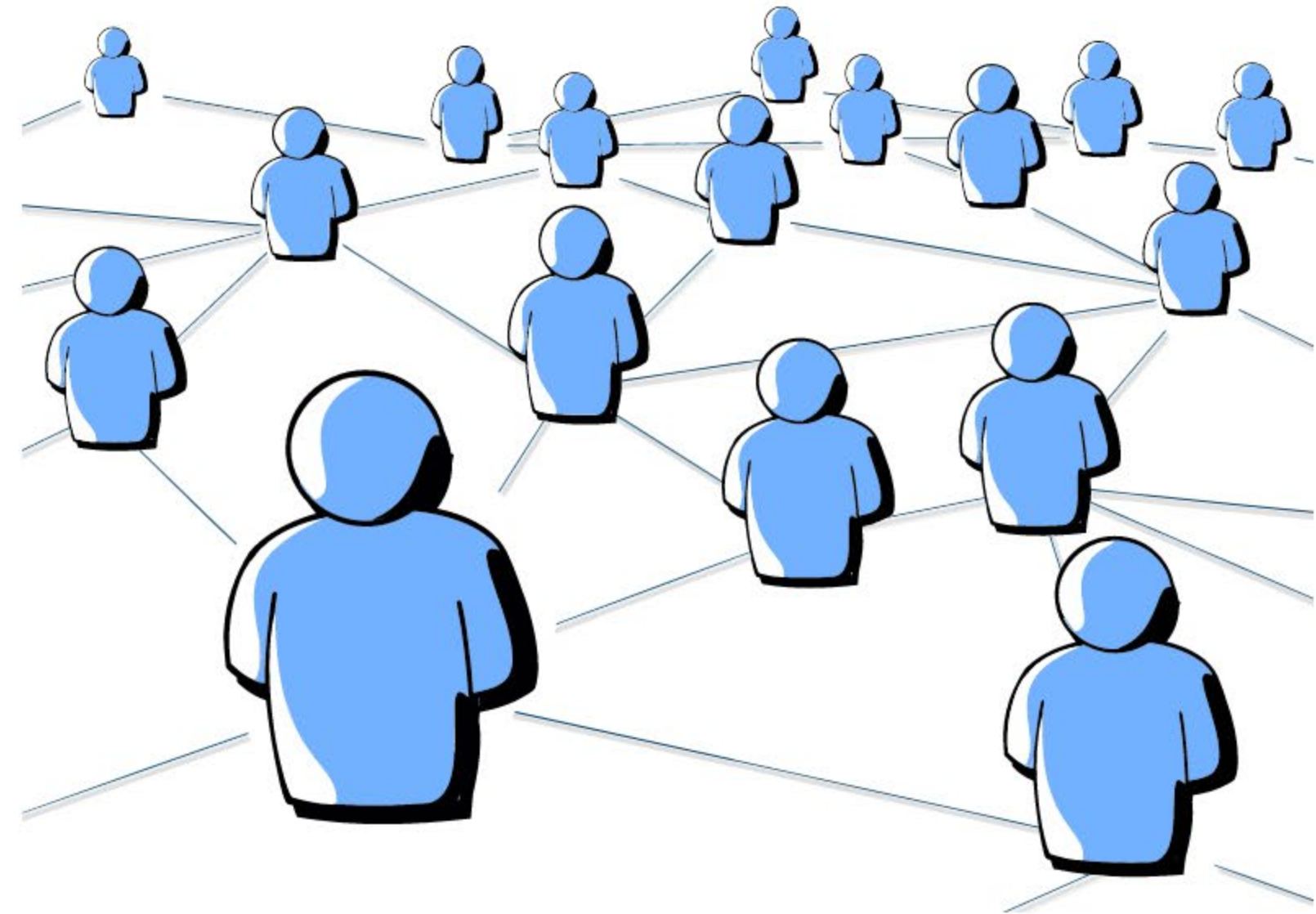
- **2,700 households selected to receive the survey**
  - 1,200 received the mailed survey questionnaire
  - 1,500 received a postcard with a weblink
  - 2% were returned as undeliverable
- **497 completed the survey, providing an overall response rate of 19%.**
  - Average overall response rate is 15%, according to Polco.





## Open Survey

- **Open City-wide January 7-21**
  - **3,690 responses were received**
  - **Responses represent a more robust estimate of resident opinions**
- **Broad marketing campaign**
  - Advertising with local media outlets
  - Comprehensive social media marketing campaign
  - Embedded in weekly "City Update" email publication
  - Included in City employees' email signature block
  - Promoted through Customer Service and City facilities
  - City-produced videos
  - Promoted at City sponsored events
  - Press releases





## Demographic Fast Facts



62% 55 years or older

23% District 1

27% District 2

26% District 3

24% District 4

74% own their home



## Data Changes

- 138 items surveyed for comparison purposes
- 115 items were rated similarly in 2020
- 3 increased in rating (over 7%)
- 20 decreased in rating (over 7%)



### According to Polco:

**The 7% by-year margin of error indicates statistically significant differences between 2019 and 2021 - anything greater than a 7% difference may be considered a change over time, and anything within that range should be considered stable over time.**





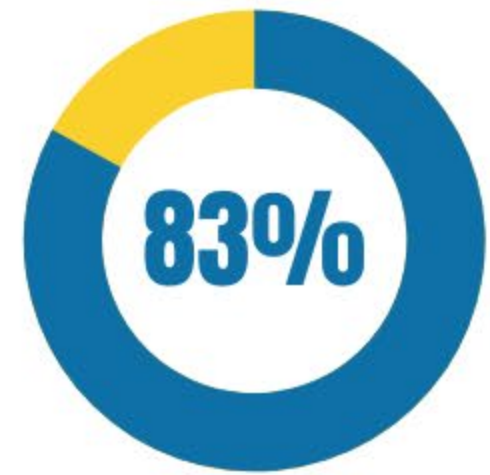
# HIGHLIGHTS

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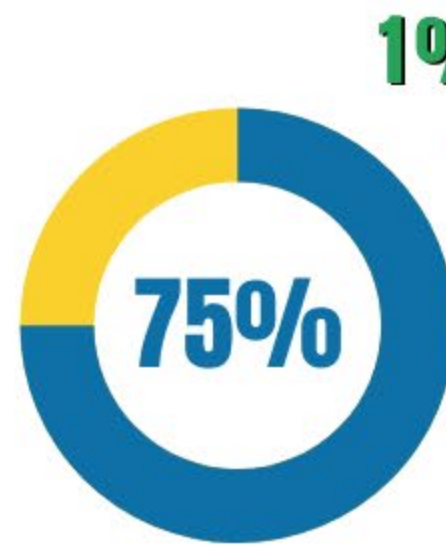


## Highlights

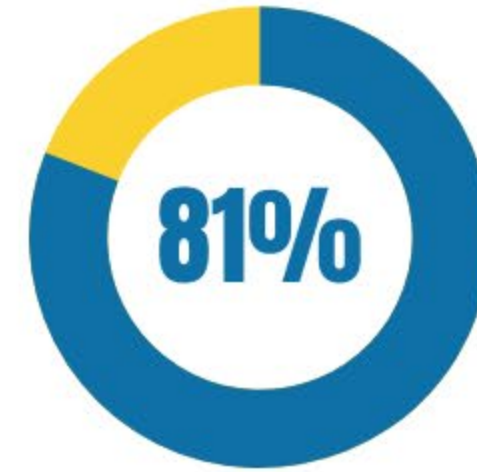
## Quality of Life in Palm Coast



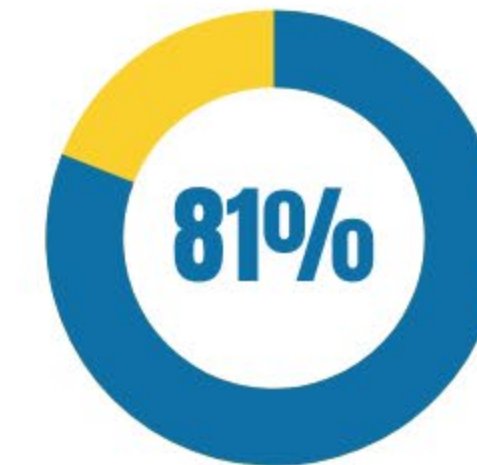
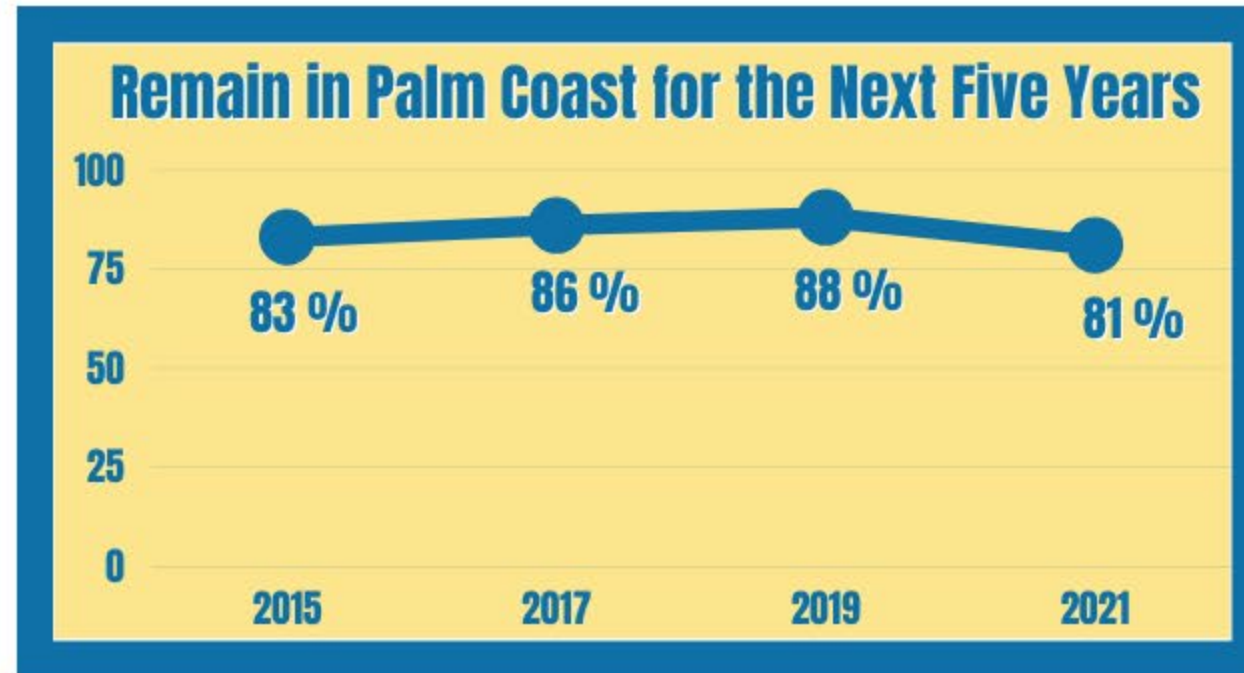
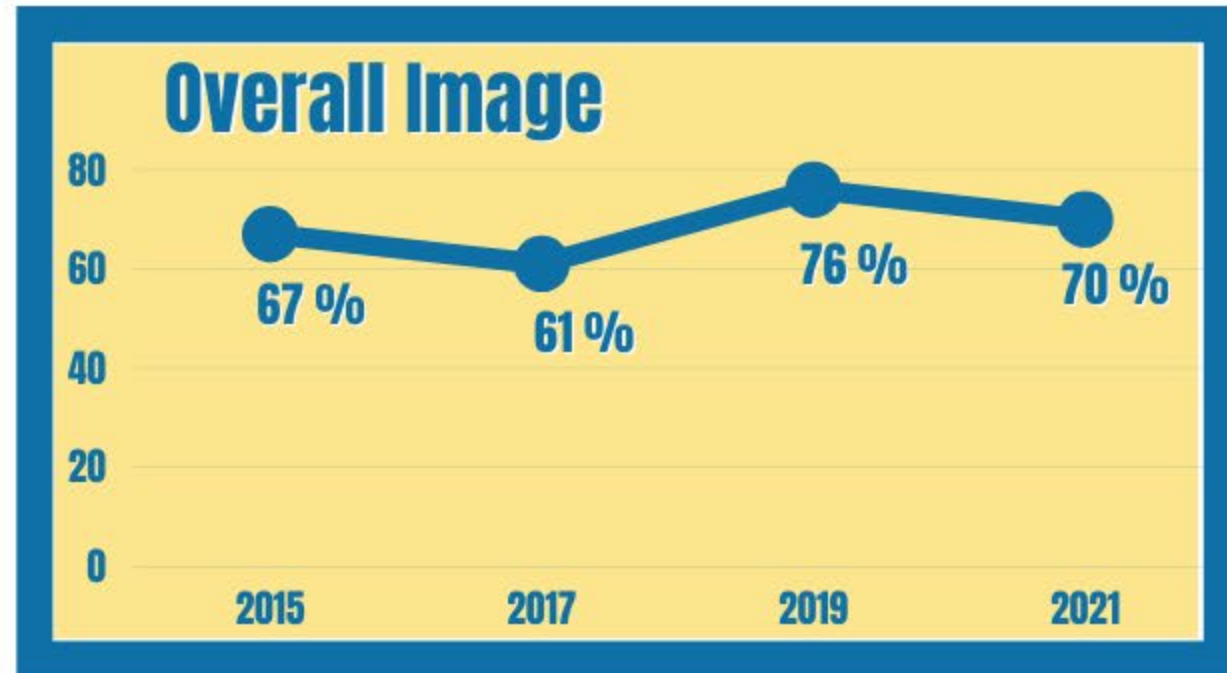
**Excellent or Great Place to Live**



**Great Place to Raise Children**



**Recommend Living in Palm Coast**



**Great Place to Retire**

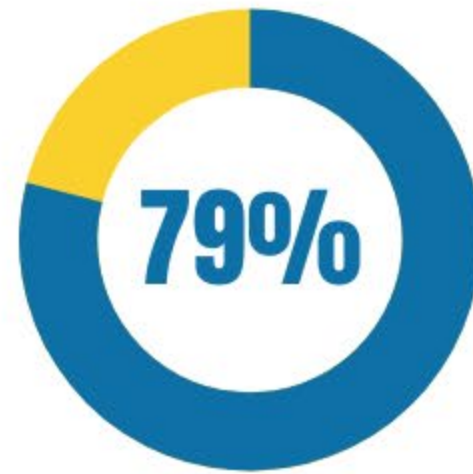
\*Percentages represent combination of two most positive response options.\*



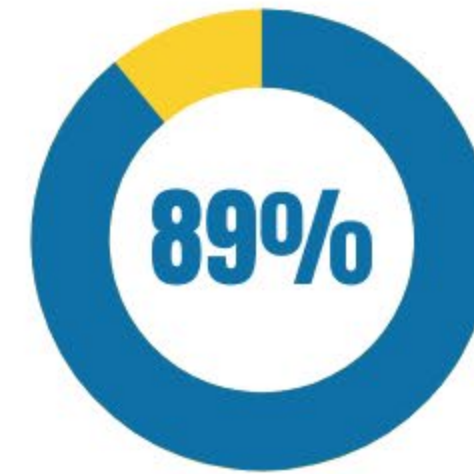


## Highlights

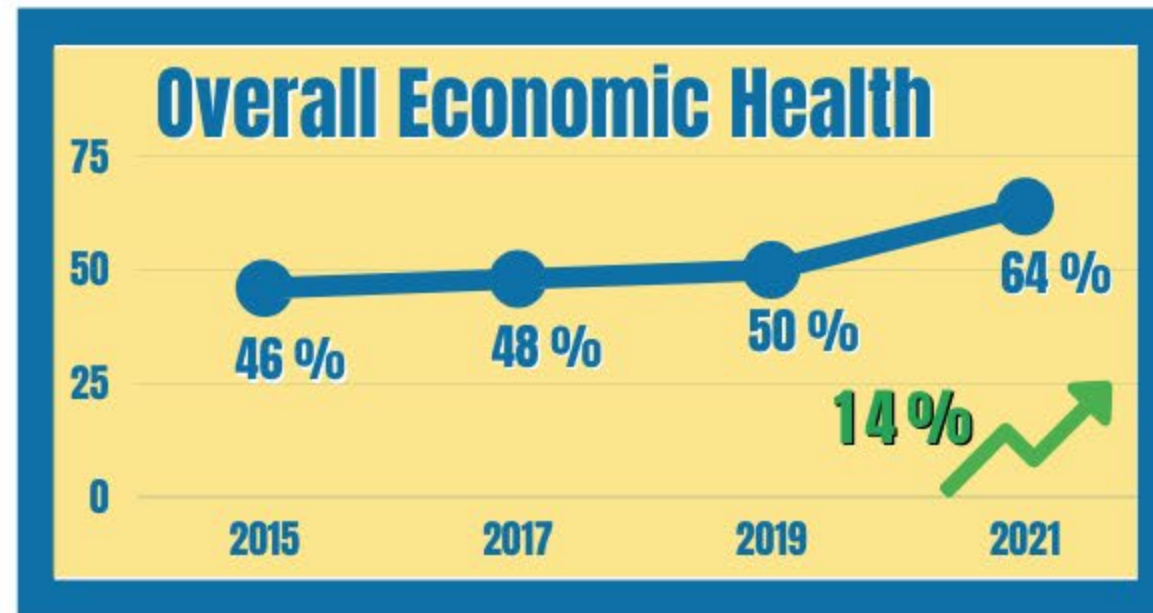
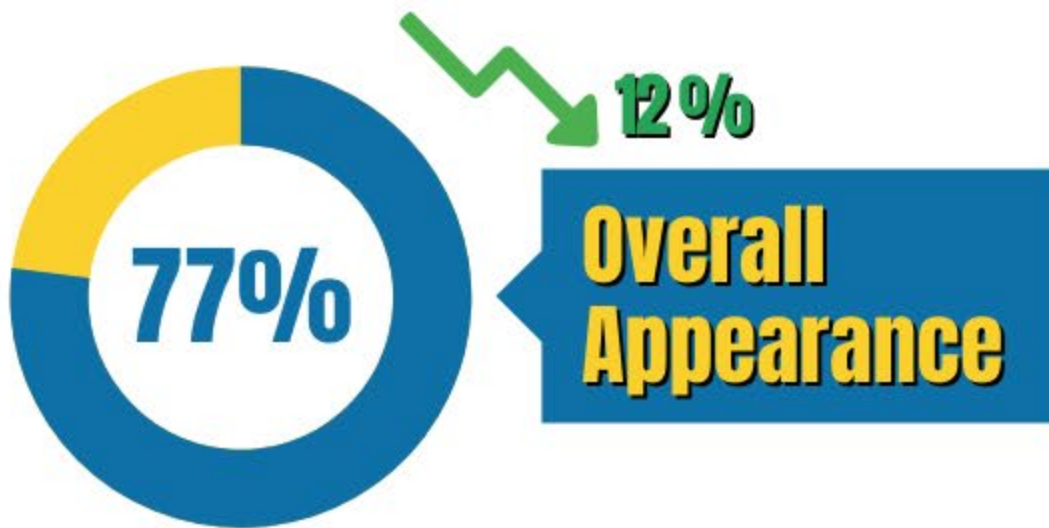
## Palm Coast Characteristics



**Quality of Natural Environment**



**Air Quality**



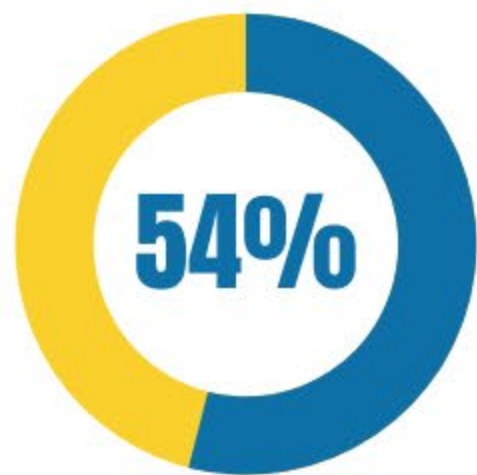
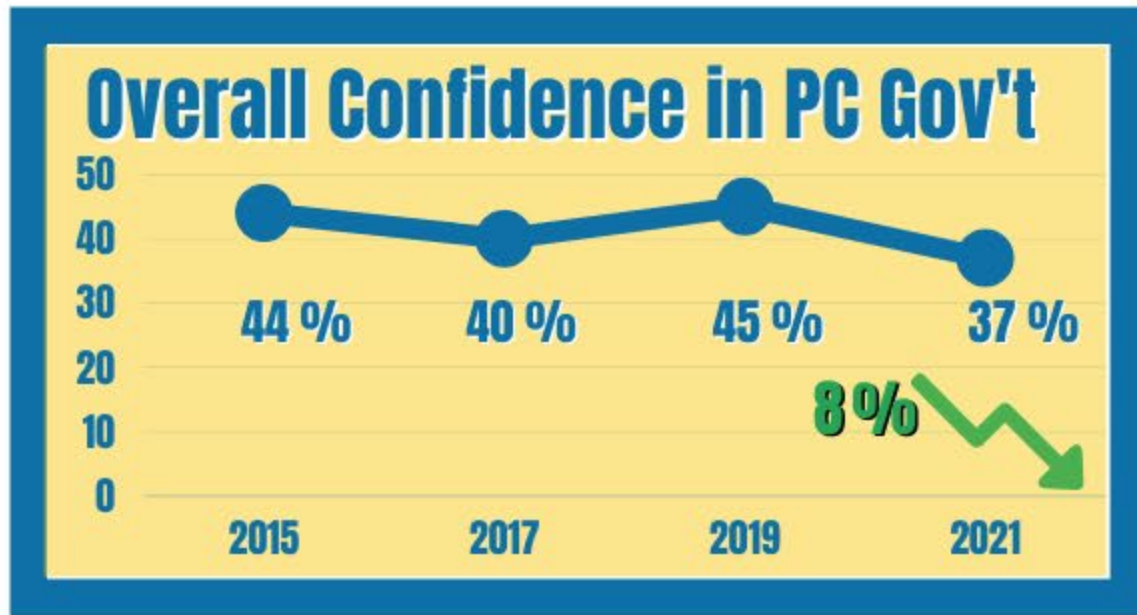
\*Percentages represent combination of two most positive response options.\*



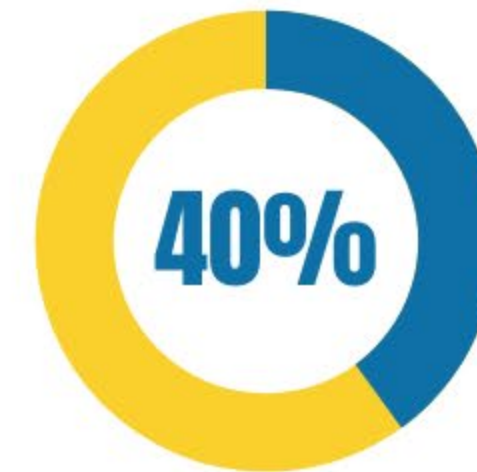
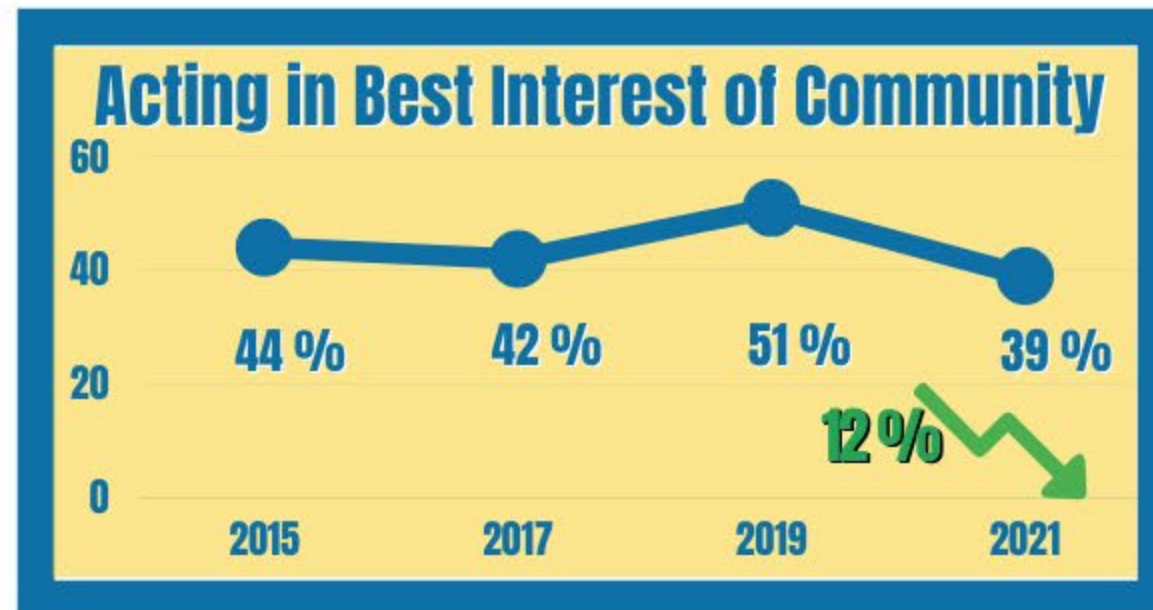


## Highlights

## Palm Coast Governance



**Value of Services  
for Taxes Paid**



**Welcomes  
Resident  
Involvement**

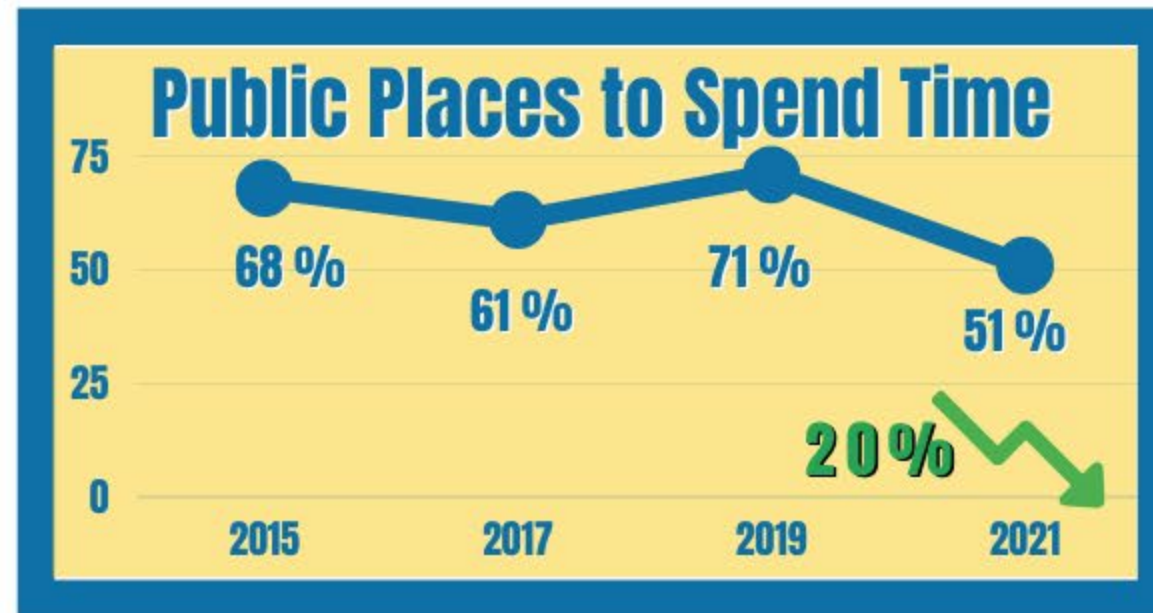
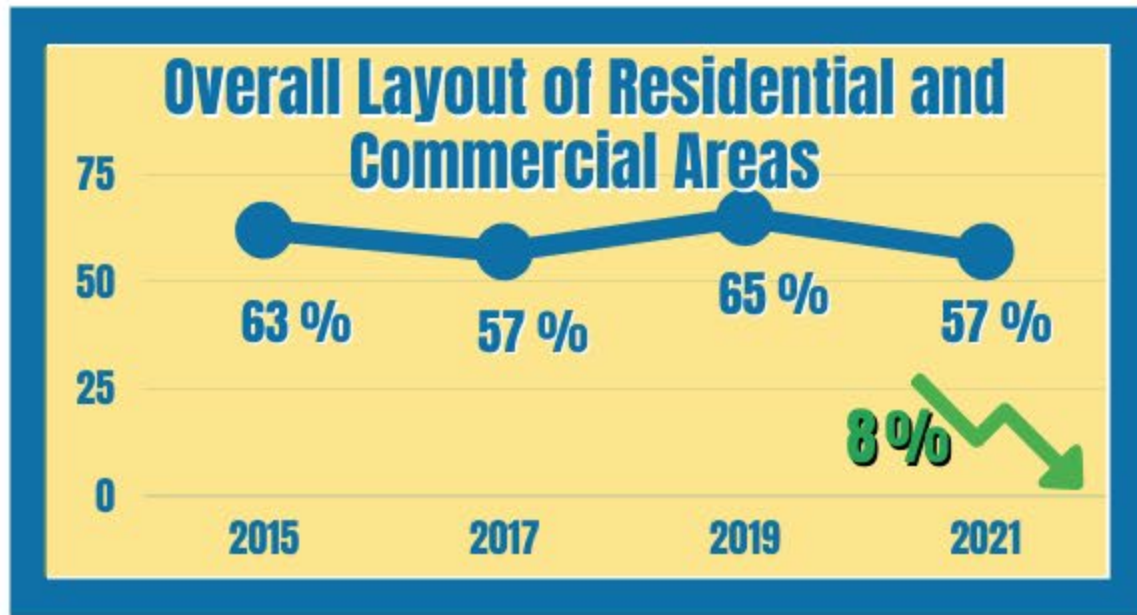
\*Percentages represent combination of two most positive response options.\*





## Highlights

## Palm Coast Neighborhoods



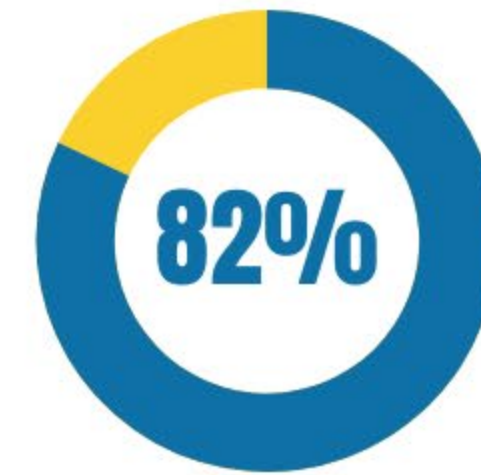
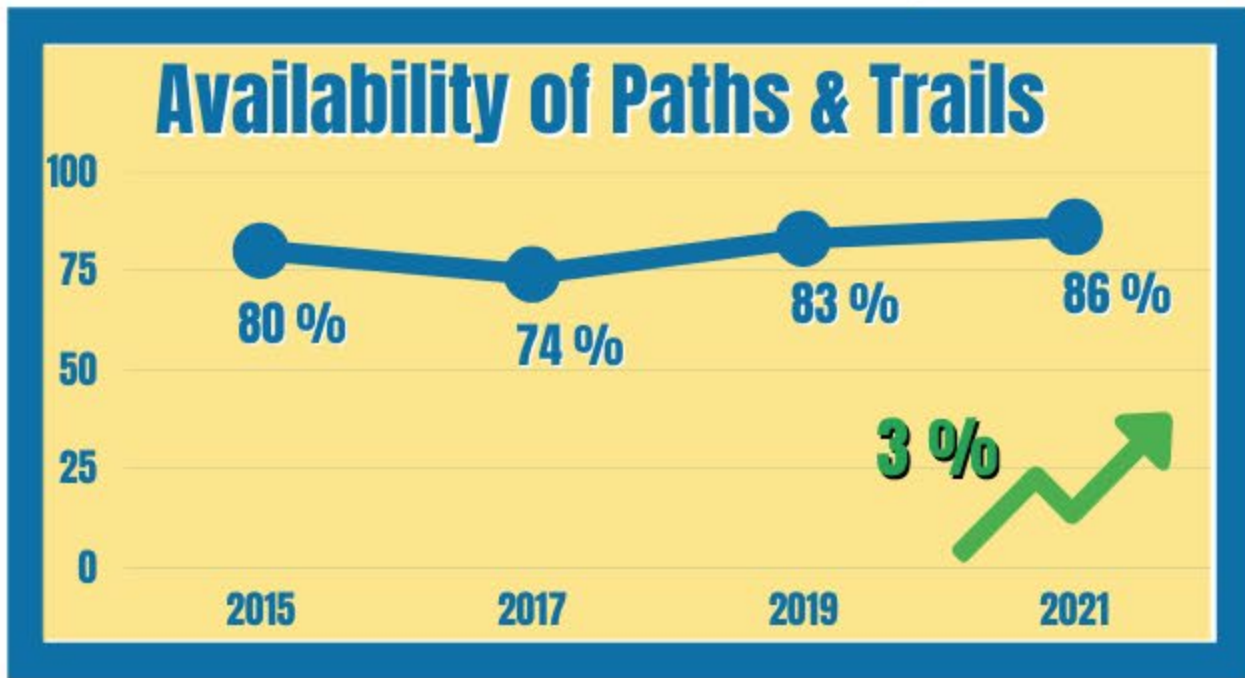
\*Percentages represent combination of two most positive response options.\*



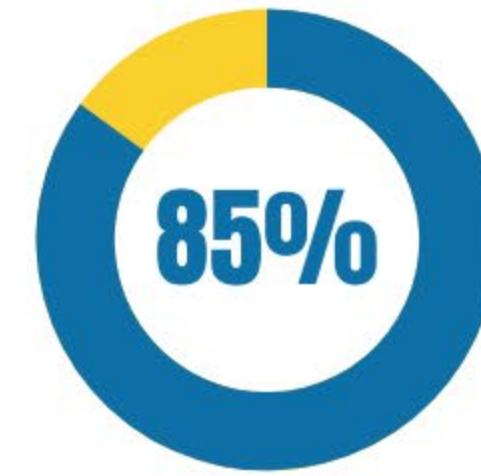
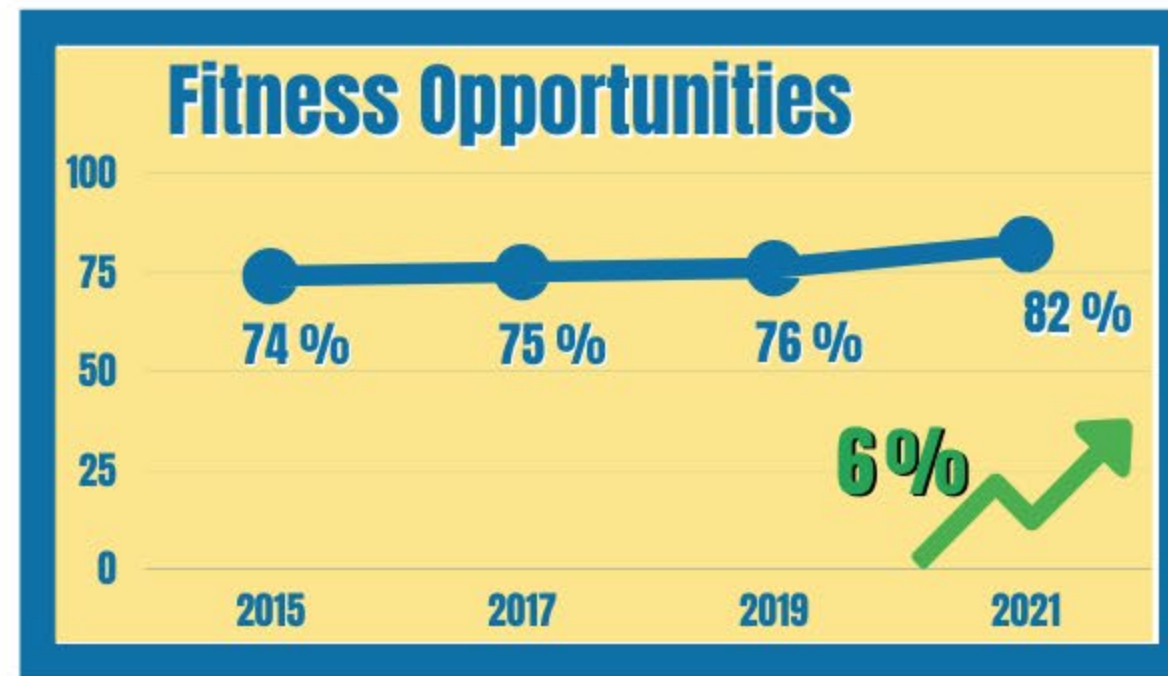
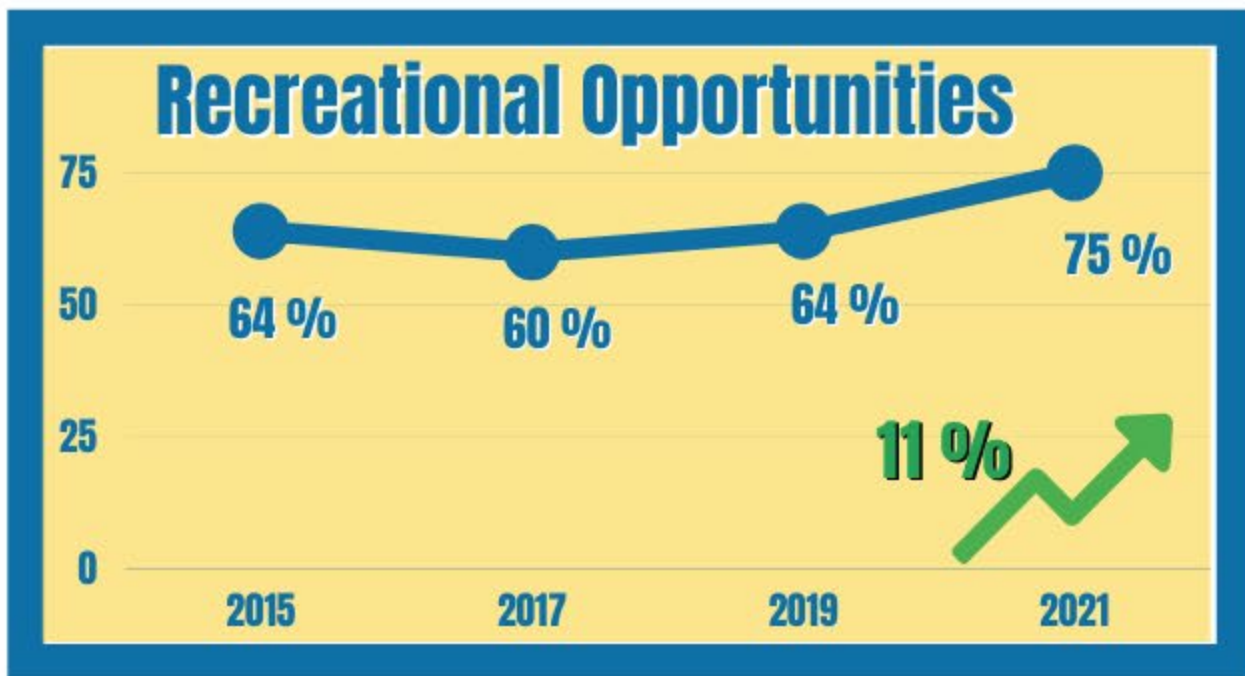


## Highlights

## Palm Coast Parks and Recreation



**Quality of Parks and Recreation Opportunities**



**Quality of City Parks**

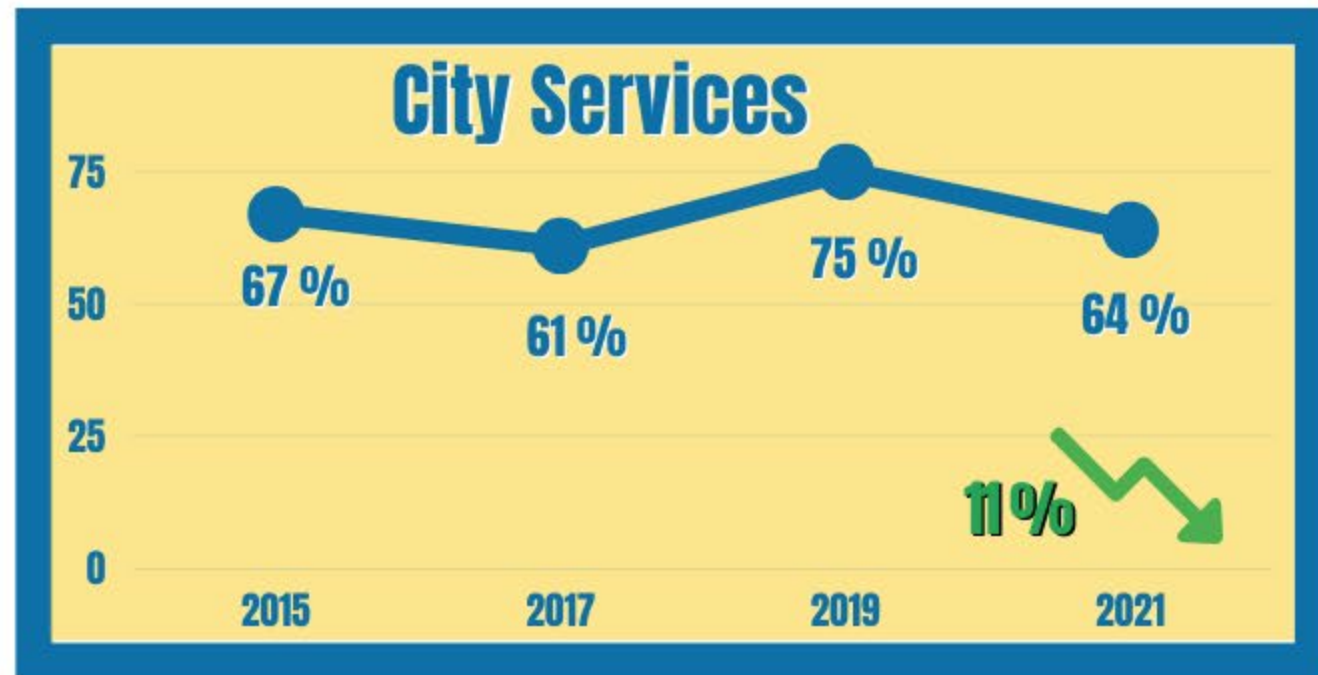
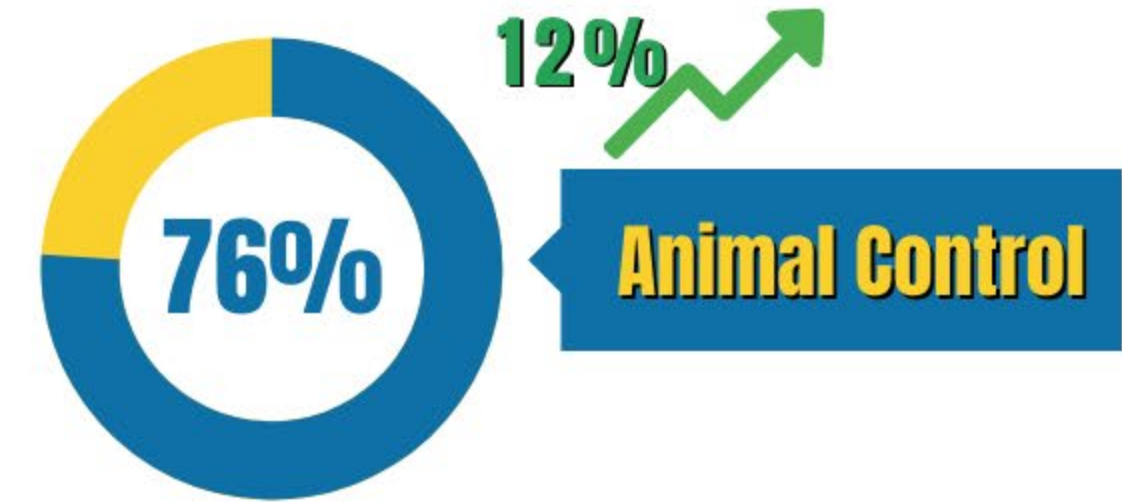
\*Percentages represent combination of two most positive response options.\*





## Highlights

## City Services



\*Percentages represent combination of two most positive response options.\*





## Highlights

## Streets & Lighting

### Ease of Travel by Car



### Ease of Walking



### Street Lighting



### Sidewalk Maintenance



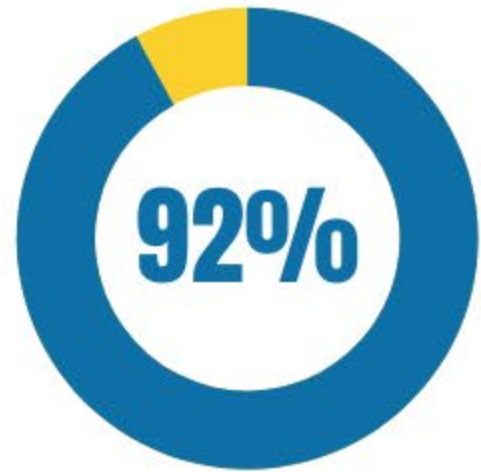
\*Percentages represent combination of two most positive response options.\*



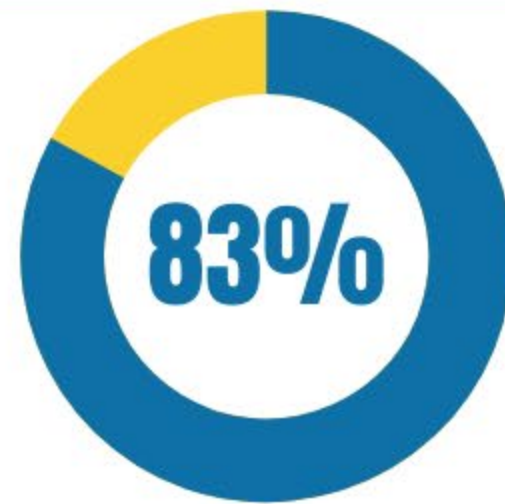


## Highlights

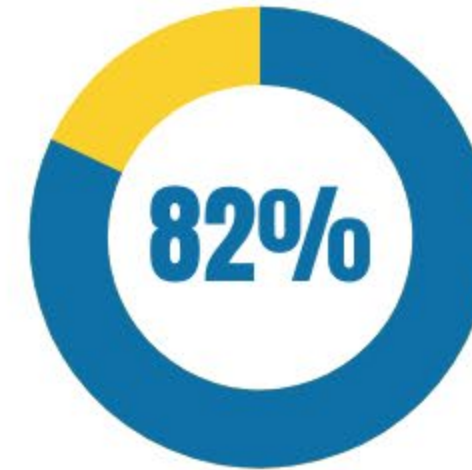
## *Citizen Safety*



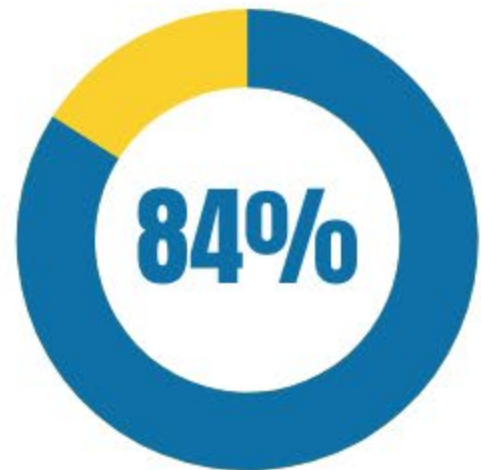
**Fire Services**



**Fire Prevention and Education**



**Overall Feeling of Safety**



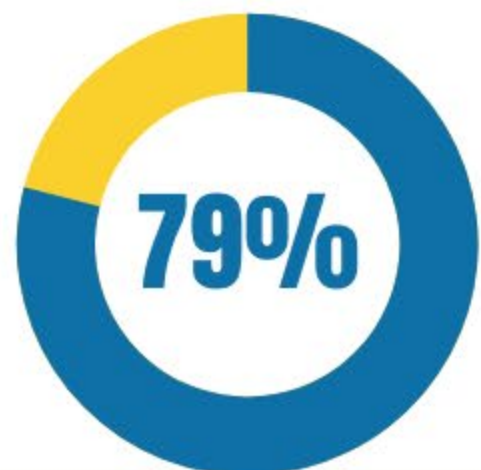
**Sheriff Service**



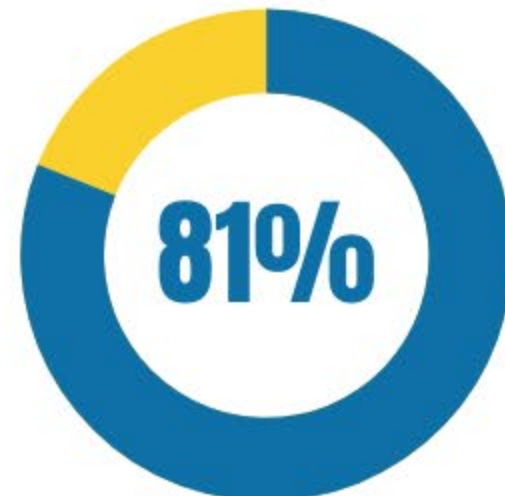
**Feel Safe in Neighborhood**



**Feel Safe in Commercial Areas**



**Feel Safe from Fire, Flood, etc.**



**Emergency Preparedness**

**\*Percentages represent combination of two most positive response options.\***





## Highlights

## Business Friendly

### Vibrancy of Commercial Area



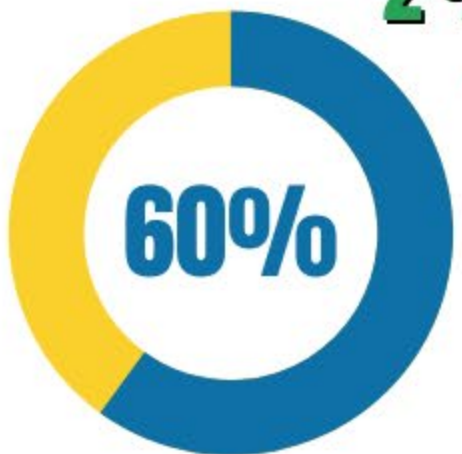
### Employment Opportunities



### Palm Coast as a Place to Work

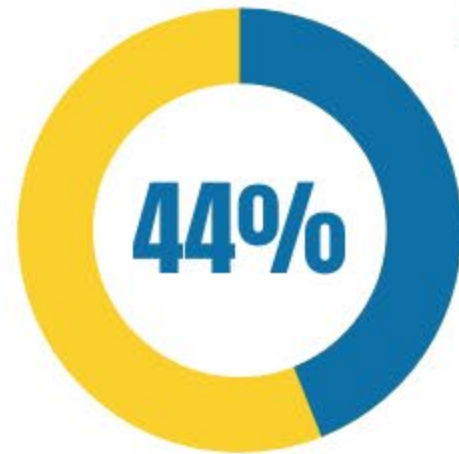


2%



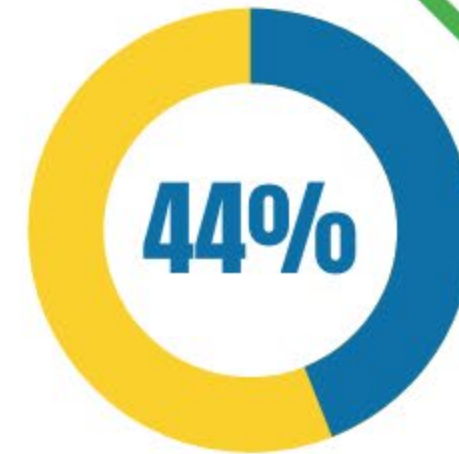
**Quality of  
Businesses  
and Services**

1%



**Economic  
Development**

11%



**Shopping  
Opportunities**

\*Percentages represent combination of two most positive response options.\*







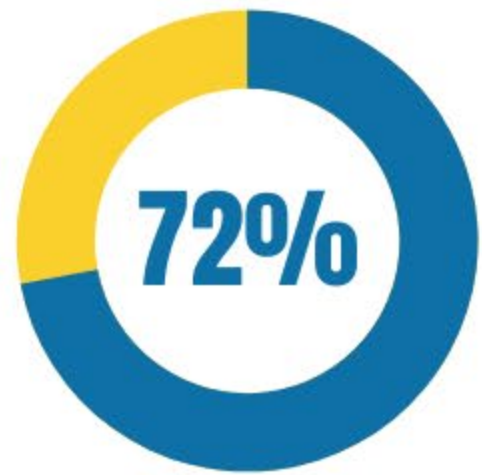
# CUSTOM QUESTIONS

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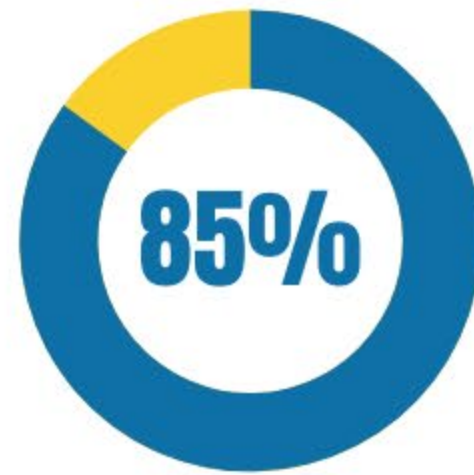


## Highlights

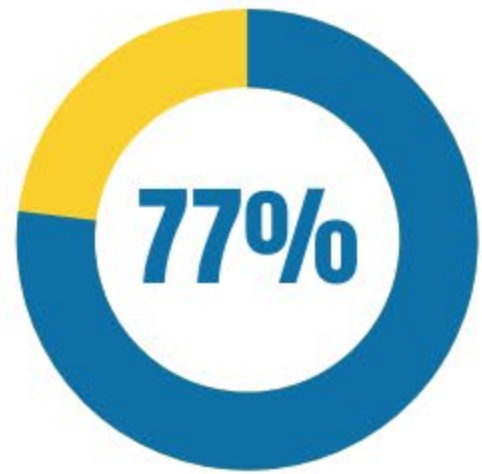
### *Custom Question #1: Streets*



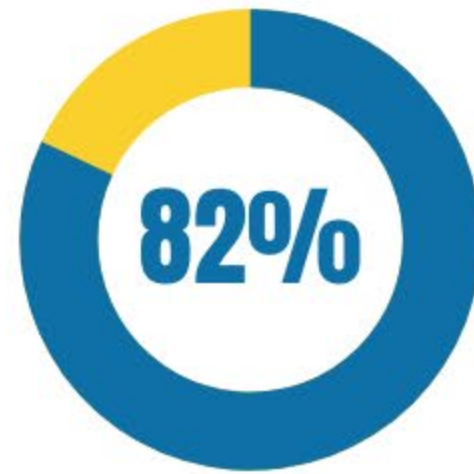
**Condition of  
Neighborhood Streets**



**Condition of  
Street Signs**



**Condition of  
Pavement Markings**



**Condition of  
Major Streets**



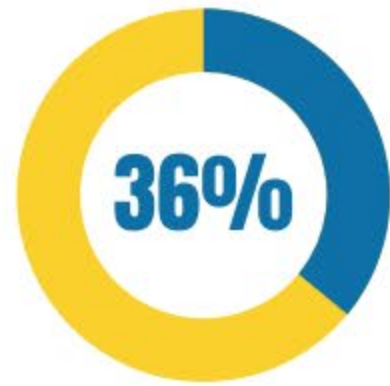
**\*\*\*Percentages represent 'Excellent' and 'Good' ratings.\*\*\***





## Highlights

## Custom Question #2: Street Enhancements



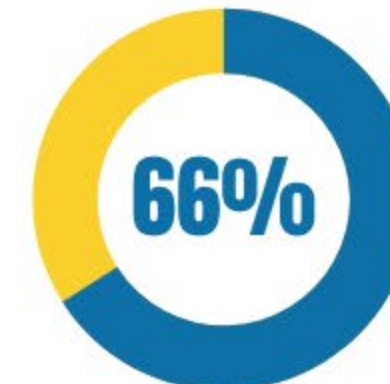
Develop Additional Medians



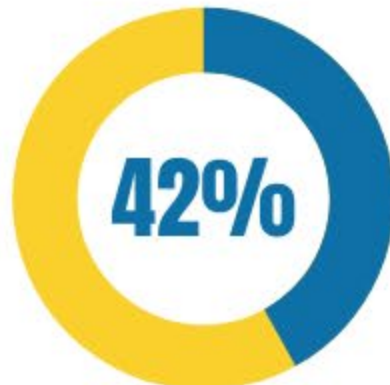
Complete Network of Sidewalks



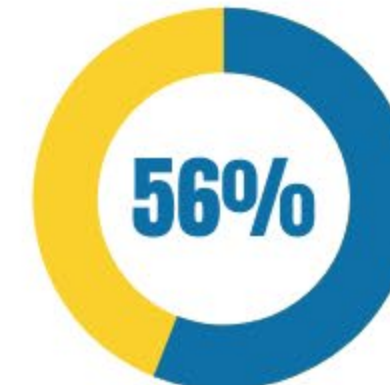
Improve or Add Turn Lanes



Improve Signal Timing



More Pedestrian Bridges



Bike Path Connections



Add New Traffic Signals

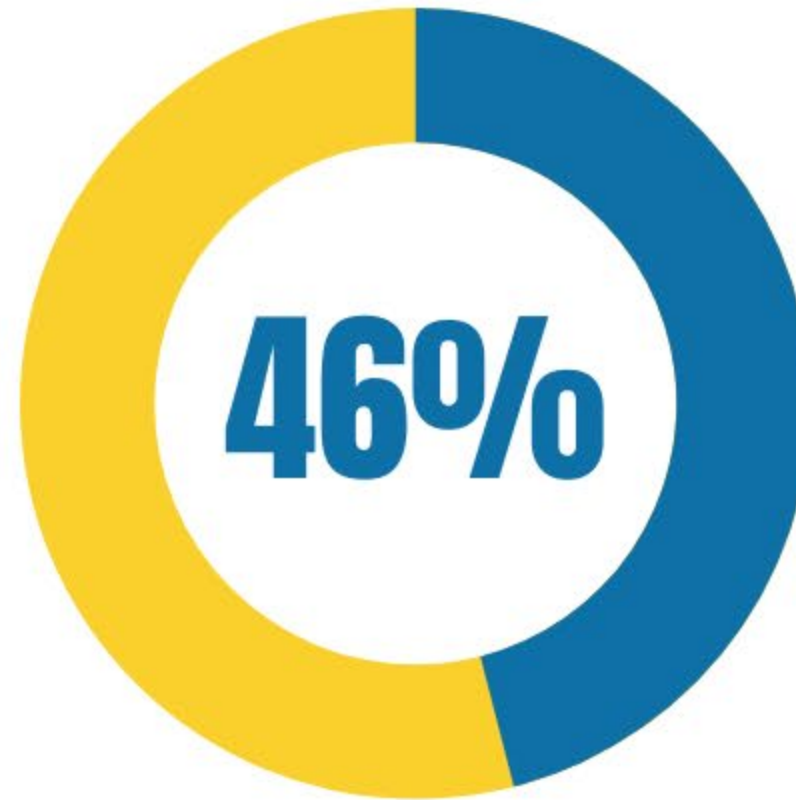
\*\*\*Percentages represent 'Essential' and 'Very Important' ratings.\*\*\*





## Highlights

### *Custom Question #3: Swales*



**Quality of Storm Water Swale System**

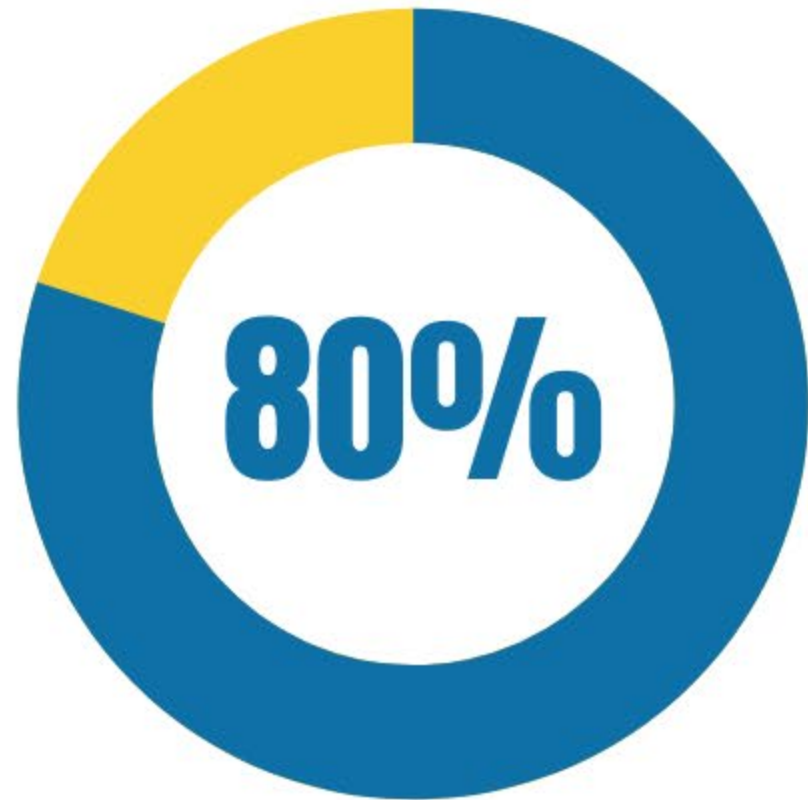
**\*\*\*Percentages represent 'Excellent' and 'Good' ratings.\*\*\***





## Highlights

## *Custom Question #4: Salt Water Canals*



**Support Palm Coast Funding  
a Study for Dredging Salt  
Water Canals**



**\*\*\*Percentages represent 'Strongly Support' and 'Somewhat Support' ratings.\*\*\***





## Next Steps:

- **City Council Member One-On-Ones**
- **SAP Evaluation #1: March 22nd**
- **10 Year Capital Improvement Forecast: March 22nd**
- **SAP Evaluation #2 and Special Budget Workshop: April 26**







**QUESTIONS?**

# **Palm Coast, FL**

## **The National Community Survey**

Report of Results  
2021

**Report by:**



**Visit us online!**  
[www.polco.us](http://www.polco.us)

## About The NCS™

The National Community Survey™ (The NCS™) report is about the “livability” of Palm Coast. A livable community is a place that is not simply habitable, but that is desirable. It is not only where people do live, but where they want to live. The survey was developed by the experts from National Research Center at Polco.

Great communities are partnerships of the government, private sector, community-based organizations and residents, all geographically connected. The NCS captures residents’ opinions considering ten central facets of a community:

- Economy
- Mobility
- Community Design
- Utilities
- Safety
- Natural Environment
- Parks and Recreation
- Health and Wellness
- Education, Arts, and Culture
- Inclusivity and Engagement

The report provides the opinions of a representative sample of 497 residents of the City of Palm Coast collected from December 3rd, 2021 to January 31st, 2022. The margin of error around any reported percentage is 4% for all respondents and the response rate for the 2021 survey was 19%. Survey results were weighted so that the demographic profile of respondents was representative of the demographic profile of adults in Palm Coast.

### How the results are reported

For the most part, the percentages presented in the following tabs represent the “percent positive.” Most commonly, the percent positive is the combination of the top two most positive response options (i.e., excellent/good, very safe/somewhat safe, etc.). On many of the questions in the survey respondents may answer “don’t know.” The proportion of respondents giving this reply is shown in the full set of responses included in the tab “Complete data.” However, these responses have been removed from the analyses presented in most of the tabs. In other words, the tables and graphs display the responses from respondents who had an opinion about a specific item.

### Comparisons to benchmarks

NRC’s database of comparative resident opinion is comprised of resident perspectives gathered in surveys from over 600 communities whose residents evaluated the same kinds of topics on The National Community Survey. The comparison evaluations are from the most recent survey completed in each community in the last five years. NRC adds the latest results quickly upon survey completion, keeping the benchmark data fresh and relevant. The communities in the database represent a wide geographic and population range. In each tab, Palm Coast’s results are noted as being “higher” than the benchmark, “lower” than the benchmark, or “similar” to the benchmark, meaning that the average rating given by Palm Coast residents is statistically similar to or different (greater or lesser) than the benchmark. Being rated as “higher” or “lower” than the benchmark means that Palm Coast’s average rating for a particular item was more than 10 points different than the benchmark. If a rating was “much higher” or “much lower,” then Palm Coast’s average rating was more than 20 points different when compared to the benchmark.

The survey was administered during the COVID-19 pandemic, a time of challenge for many local governments. While we provide comparisons to national benchmarks, it is important to note that much of the benchmark data was collected prior to the pandemic. This may impact how your City’s 2021 ratings compare to other communities’ ratings from the past five years.



## Trends over time

Trend data for Palm Coast represent important comparison data and should be examined for improvements or declines\*. Deviations from stable trends over time represent opportunities for understanding how local policies, programs, or public information may have affected residents' opinions. Changes between survey years have been noted with an arrow and the percent difference. If the difference is greater than seven percentage points between the 2019 and 2021 surveys, the change is statistically significant.

\* In 2020, The NCS survey was updated to include new and refreshed items. Consequently, some of the trends may be impacted due to wording modifications that could have potentially altered the meaning of the item for the respondent.

## Methods

### Selecting survey recipients

All households within the City of Palm Coast were eligible to participate in the survey. A list of all households within the zip codes serving Palm Coast was purchased from Go-Dog Direct based on updated listings from the United States Postal Service. Since some of the zip codes that serve the City of Palm Coast households may also serve addresses that lie outside of the community, the exact geographic location of each housing unit was compared to community boundaries using the most current municipal boundary file. Addresses located outside of the City of Palm Coast boundaries were removed from the list of potential households to survey. Each address identified as being within city boundaries was further identified as being within one of the four districts. From that list, addresses were randomly selected as survey recipients, with multi-family housing units (defined as those with a unit number) sampled at a rate of 5:3 compared to single family housing units.

An individual within each household was selected using the birthday method. The birthday method selects a person within the household by asking the “person whose birthday has most recently passed” to complete the questionnaire. The underlying assumption in this method is that day of birth has no relationship to the way people respond to surveys. This instruction was contained in the introduction of the survey.

### Conducting the survey

The 2,700 randomly selected households received mailings beginning on December 3rd, 2021 and the survey remained open for 7 weeks. For 1,200 households, the first mailing was a postcard inviting the household to participate in the survey. The next mailing contained a cover letter with instructions, the survey questionnaire, and a postage-paid return envelope. The final mailing contained a reminder letter, another survey, and a postage-paid return envelope. For the remaining 1,500 households, the first mailing was a postcard inviting the household to participate, followed one week later by a reminder postcard. All mailings included a web link to give residents the opportunity to respond to the survey online. All follow-up mailings asked those who had not completed the survey to do so and those who had already done so to refrain from completing the survey again.

About 2% of the 2,700 mailed invitations or surveys were returned because the household address was vacant or the postal service was unable to deliver the survey as addressed. Of the remaining 2,648 households that received the invitations to participate, 497 completed the survey, providing an overall response rate of 19%. The response rate was calculated using AAPOR’s response rate #2\* for mailed surveys of unnamed persons.

It is customary to describe the precision of estimates made from surveys by a “level of confidence” and accompanying “confidence interval” (or margin of error). A traditional level of confidence, and the one used here, is 95%. The 95% confidence interval can be any size and quantifies the sampling error or imprecision of the survey results because some residents’ opinions are relied on to estimate all residents’ opinions. The margin of error for the City of Palm Coast survey is no greater than plus or minus four percentage points around any given percent reported for all respondents (497 completed surveys).

In addition to the randomly selected “probability sample” of households, a link to an online open participation survey was publicized by the City of Palm Coast. The open participation survey was identical to the probability sample survey with two small updates; it included a map at the beginning asking where the respondent lives and a question about where they heard about the survey. The open participation survey was open to all city residents and became available on January 7th, 2022. The survey remained open for 2 weeks. The data presented in the following tabs exclude the open participation survey data, but a tab at the end provides the complete frequency of responses to questions by the open participation respondents.

## Analyzing the data

Responses from mailed surveys were entered into an electronic dataset using a “key and verify” method, where all responses are entered twice and compared to each other. Any discrepancies were resolved in comparison to the original survey form. Range checks as well as other forms of quality control were also performed. Responses from surveys completed on Polco were downloaded and merged with the mailed survey responses.

The demographics of the survey respondents were compared to those found in the 2010 Census and 2019 American Community Survey estimates for adults in the City of Palm Coast. The primary objective of weighting survey data is to make the survey respondents reflective of the larger population of the community. The characteristics used for weighting were age, sex, race, Hispanic origin, housing type, housing tenure, and area. No adjustments were made for design effects. Weights were calculated using an iterative, multiplicative raking model known as the ANES Weighting Algorithm.\* The results of the weighting scheme for the probability sample are presented in the following table.

NRC aligns demographic labels with those used by the U.S. Census for reporting purposes, when possible. Some categories (e.g., age, race/Hispanic origin, housing type, and length of residency) are combined into smaller subgroups.

		Unweighted	Weighted	Target*
Age	18-34	1%	6%	20%
	35-54	17%	32%	27%
	55+	82%	62%	53%
Area	1	23%	23%	23%
	2	28%	18%	26%
	3	24%	34%	29%
	4	25%	26%	22%
Hispanic origin	No, not Spanish, Hispanic, or Latino	93%	89%	89%
	Spanish, Hispanic, or Latino	7%	11%	11%
Housing tenure	Own	92%	74%	74%
	Rent	8%	26%	26%
Housing type	Attached	9%	12%	12%
	Detached	91%	88%	88%
Race & Hispanic origin	Not white alone	22%	27%	27%
	White alone, not Hispanic or Latino	78%	73%	73%
Sex	Female	52%	55%	53%
	Male	48%	45%	47%
Sex/age	Female 18-34	1%	5%	10%
	Female 35-54	11%	17%	14%
	Female 55+	40%	33%	28%
	Male 18-34	0%	1%	10%
	Male 35-54	7%	15%	13%
	Male 55+	41%	29%	24%



The survey datasets were analyzed using all or some of a combination of the Statistical Package for the Social Sciences (SPSS), R, Python and Tableau. For the most part, the percentages presented in the reports represent the “percent positive.” The percent positive is the combination of the top two most positive response options (i.e., excellent/good, very safe/somewhat safe, essential/very important, etc.), or, in the case of resident behaviors/participation, the percent positive represents the proportion of respondents indicating “yes” or participating in an activity at least once a month.

On many of the questions in the survey respondents may answer “don’t know.” The proportion of respondents giving this reply is shown in the full set of responses included in the tab “Complete data”. However, these responses have been removed from the analyses presented in the reports. In other words, the tables and graphs display the responses from respondents who had an opinion about a specific item.

## Contact

The City of Palm Coast funded this research. Please contact Brittany Kershaw of the City of Palm Coast at [bnkershaw@palmcoastgov.com](mailto:bnkershaw@palmcoastgov.com) if you have any questions about the survey.

## Survey Validity

See the Polco Knowledge Base article on survey validity at <https://info.polco.us/knowledge/statistical-vali>

\* See AAPOR’s Standard Definitions for more information at

<https://www.aapor.org/Publications-Media/AAPOR-Journals/Standard-Definitions.aspx>

\* Pasek, J. (2010). ANES Weighting Algorithm. Retrieved from

<https://web.stanford.edu/group/iriss/cgi-bin/anesrake/resources/RakingDescription.pdf>

\* Targets come from the 2010 Census and 2019 American Community Survey



## Highlights

### Residents continue to experience a high quality of life and view safety as a priority.

Ratings for all items relating to the quality of life in Palm Coast were on par with the previous iterations of the NCS. About 8 in 10 residents gave positive marks to Palm Coast as a place to live, the overall quality of life in the city, and Palm Coast as a place to both retire and raise children. Palm Coast as a place to retire was rated higher than the national comparisons, while other ratings in this facet were similar. About the same proportion of residents (81%) reported that they were very or somewhat likely to recommend living in Palm Coast and planned on remaining in the city for the next five years.

Overall feelings of safety, along with safety-related services, contribute to the high quality of life experienced in Palm Coast. Safety is a priority for residents, with about 9 in 10 reporting that it should be a focus for the City in the next 5 years. Virtually all residents reported feeling very or somewhat safe in both their neighborhoods (94%) and Palm Coast's downtown/commercial area (90%) during the day. About 8 in 10 also reported feeling safe from both property and violent crime, as well as from fire, flood, and other natural disasters. Safety services in Palm Coast also received high ratings. About 9 in 10 residents had favorable views toward fire services and ambulance/EMS services, which were similar to the benchmarks. About 8 in 10 felt positively toward police services, crime prevention, animal control, fire prevention, and emergency preparedness. Animal control in 2021 experienced significant improvement when compared to 2019 (a 12% increase), while all other safety service ratings were on par with the previous administration.

### Economy is a focus and has seen improvements from 2019.

Residents' relative quality and importance ratings for Palm Coast's economy also indicated that this was an important area of focus for the City in the coming years. Positive ratings for the overall economic health of the city increased significantly, from 50% excellent or good in 2019 to 64% in 2021. Other items that trended upward include Palm Coast as a place to work (28% in 2019 to 35% in 2021), the vibrancy of the downtown/commercial area (32% to 39%), and employment opportunities (20% to 30%). However, while these items are on an upward trend, they remained lower than ratings given in other communities across the country. A number of economy-related items remained consistent with the previous iteration of the NCS, including Palm Coast as a place to visit (63% excellent or good), the overall quality of business and service establishments (60%), the cost of living (46%), and economic development (44%). Two items experienced a notable decline across iterations; shopping opportunities (11% decrease from 2019 to 2021), and the impact that residents felt the economy would have on family income in the coming 6 months (8%). It is worth noting that the previous iteration of the NCS was conducted prior to the COVID-19 pandemic, which has impacted economies across the country.

### Mobility is an area of opportunity for Palm Coast.

Overall, items relating to Mobility in Palm Coast tended to be similar to or lower than the national benchmark comparisons. The highest-rated item was the ease of public parking (64% excellent or good), followed by the ease of travel by bicycle (63%), ease of walking (60%), and ease of travel by car (59%). About 4 in 10 residents approved of the traffic flow on major streets, and less than 2 in 10 favorably rated the ease of travel by public transportation. When asked about alternative forms of transportation, about half of residents reported having walked or biked instead of driving in the previous year, which represented an increase since 2019. About 3 in 10 reported having carpooled instead of driving alone, while less than 1 in 10 had used public transportation instead of driving, which were on par with levels seen in previous iterations of the NCS.

Mobility-related services also garnered mixed results from residents. About 6 in 10 residents gave positive marks to street cleaning, sidewalk maintenance, and traffic enforcement. About half of residents had favorable views toward traffic signal timing, street repair, and street lighting. Street lighting saw a significant increase between administrations of the NCS (34% in 2019 to 46% in 2021), though it remained lower than the benchmarks. The poorest-performing service in this facet was bus or transit services (20%), which was much lower than the national comparison.

In addition to the standard survey questions on mobility, the City also asked residents a series of customized questions about both the conditions of aspects of streets as well as their opinions on possible improvements to roads. Overall, residents had mostly positive views toward current conditions of roads in the city. About 8 in 10 gave excellent or good ratings to the condition of street signs, major streets, and the condition of pavement markings on city streets. A slightly lower proportion had positive feelings toward neighborhood streets (72% excellent or good). When asked about areas of improvement for Palm Coast roads, making sure there is a complete network of sidewalks was identified as essential or very important by 77% of residents. This was followed by improved traffic signal timing (66%), improving or adding turn lanes to city streets (62%), and enhanced pedestrian/bike connectivity to residential areas (56%). About one-half of residents or less felt a need for new traffic signals on main roads (50%), more pedestrian bridges or tunnels (41%), or the development of additional medians (36%).



### **Parks and recreation remains a bright spot in Palm Coast.**

As in previous years, parks and recreation continued to perform well in Palm Coast. This facet was highlighted by the positive sentiment toward the availability of paths and walking trails (86% excellent or good), which was higher than the national average. A similar proportion gave favorable scores to City parks (85%), fitness opportunities (82%), and the overall quality of parks and recreation opportunities (82%). A strong majority also gave favorable marks to recreation opportunities (75%), recreation centers or facilities (67%), and recreation programs or classes (62%).

## Facets of livability

Resident perceptions of quality and importance for each of the facets of community livability provide an overview of community strengths and challenges that are useful for planning, budgeting and performance evaluation.

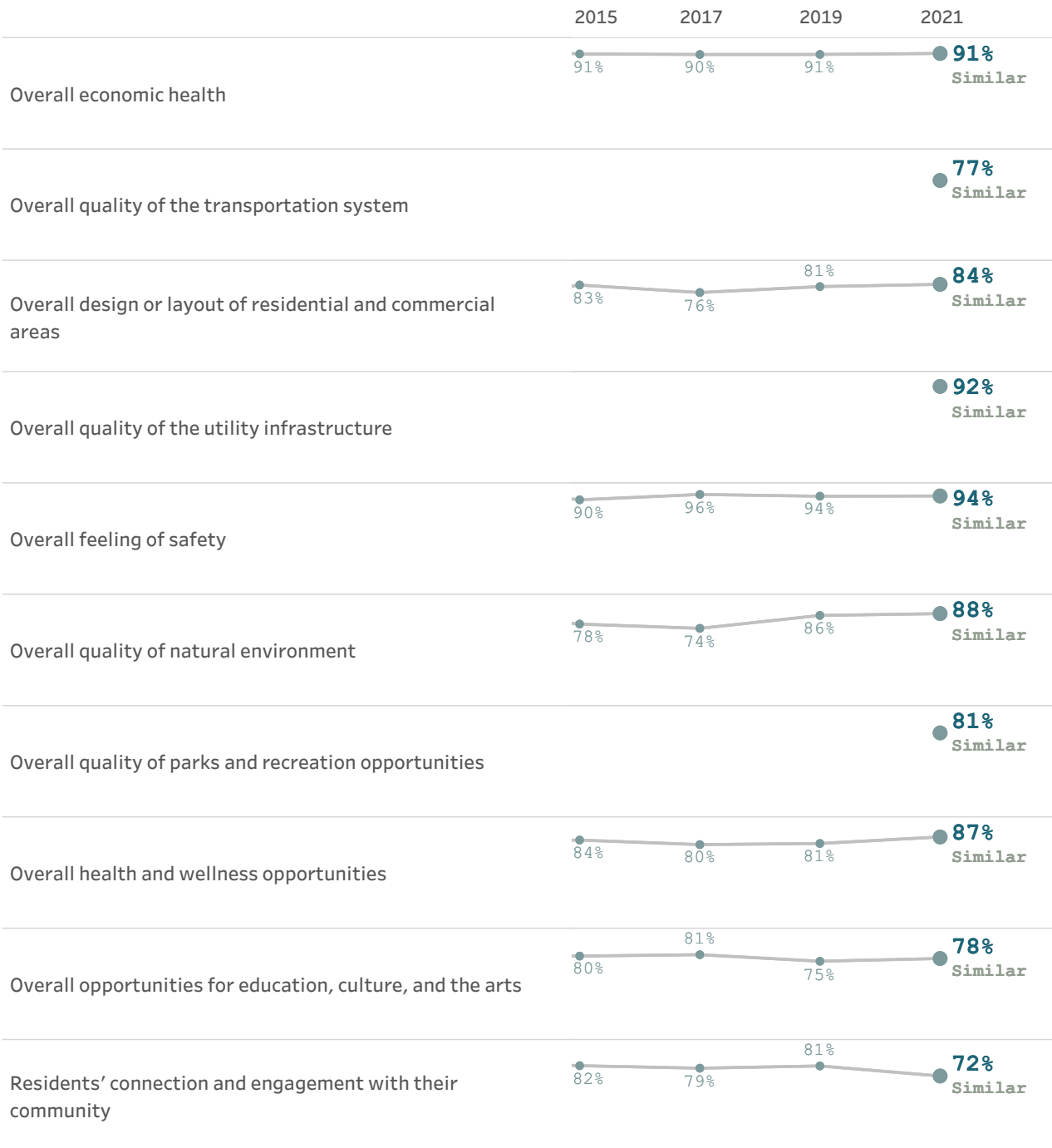
The charts below show the proportion of residents who rated the community facets positively for quality and the priority (importance) placed on each. Also displayed is whether local ratings were lower, similar, or higher than communities across the country (the national benchmark).

Please rate each of the following characteristics as they relate to Palm Coast as a whole.  
(% excellent or good)





Please rate how important, if at all, you think it is for the Palm Coast community to focus on each of the following in the coming two years.  
 (% essential or very important)



\* Comparison to the national benchmark is shown. If no comparison is available, this is left blank.

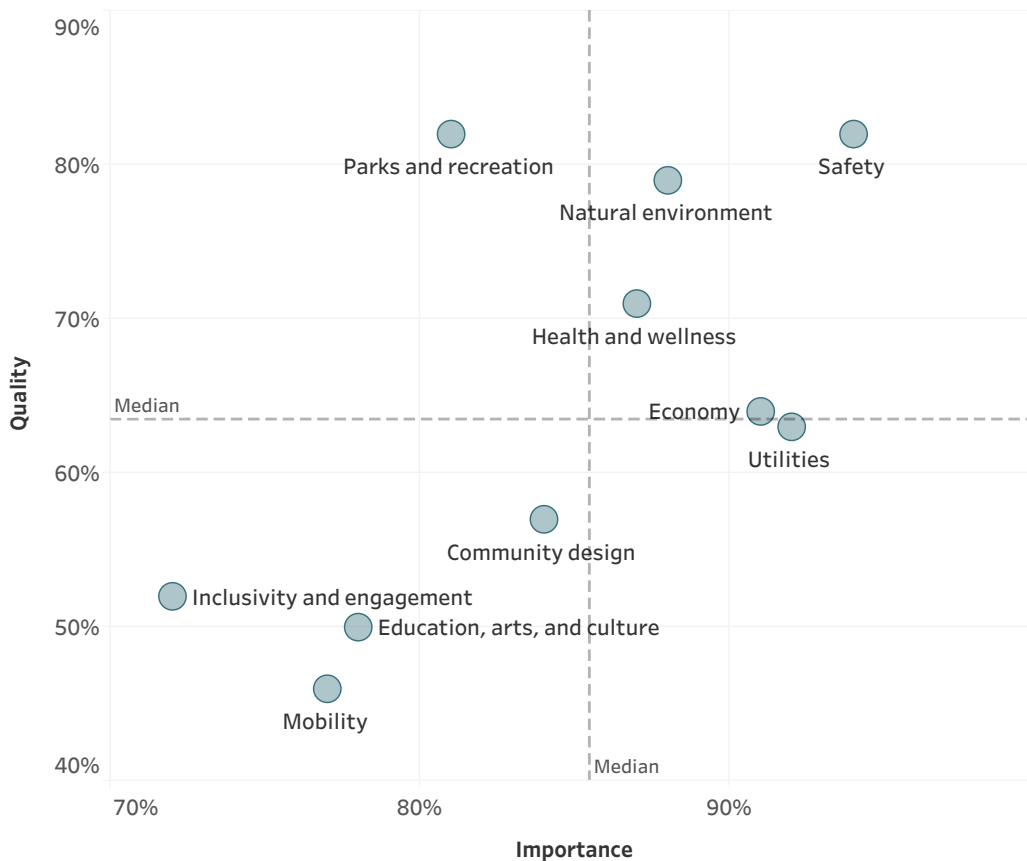
## Balancing performance and importance

Every jurisdiction must balance limited resources while meeting resident needs and striving to optimize community livability. To this end, it is helpful to know what aspects of the community are most important to residents and which they perceive as being of higher or lower quality. It is especially helpful to know when a facet of livability is considered of high importance but rated as lower quality, as this should be a top priority to address.

To help guide City staff and officials with decisions on future resource allocation, resident ratings of the importance of services were compared to their ratings of the quality of these services. To identify the services perceived by residents to have relatively lower quality at the same time as relatively higher importance, all services were ranked from highest perceived quality to lowest perceived quality and from highest perceived importance to lowest perceived importance. Some services were in the top half of both lists (higher quality and higher importance); some were in the top half of one list but the bottom half of the other (higher quality and lower importance or lower quality and higher importance); and some services were in the bottom half of both lists.

Services receiving quality ratings of excellent or good by 64% or more of respondents were considered of “higher quality” and those with ratings lower than 64% were considered to be of “lower quality.” Services were classified as “more important” if they were rated as essential or very important by 86% or more of respondents. Services were rated as “less important” if they received a rating of less than 86%. This classification uses the median ratings for quality and importance to divide the services in half.

The quadrants in the figure below show which community facets were given higher or lower importance ratings (right-left) and which had higher or lower quality ratings (up-down). Facets of livability falling closer to a diagonal line from the lower left to the upper right are those where performance ratings are more commensurate with resident priorities. Facets scoring closest to the lower right hand corner of the matrix ( higher in importance and lower in quality) are those that may warrant further investigation to see if changes to their delivery are necessary to improve their performance. This is the key part of this chart on which to focus. Facets falling in the top left hand corner of the chart (lower in importance but higher in quality) are areas where performance may outscore resident priorities, and may be a consideration for lower resource allocation.

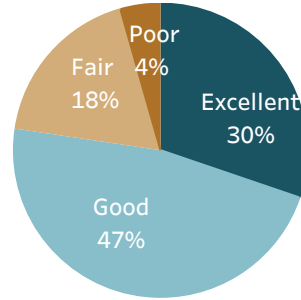




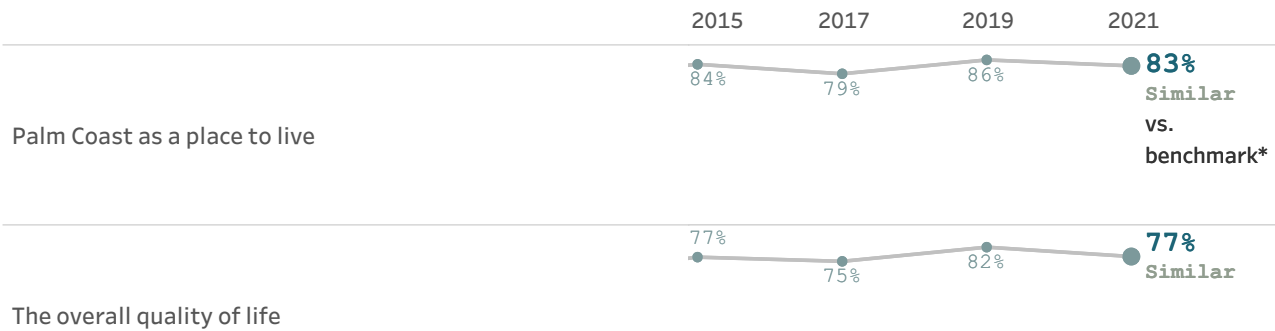
## Quality of life

Measuring community livability starts with assessing the quality of life of those who live there, and ensuring that the community is attractive, accessible, and welcoming to all.

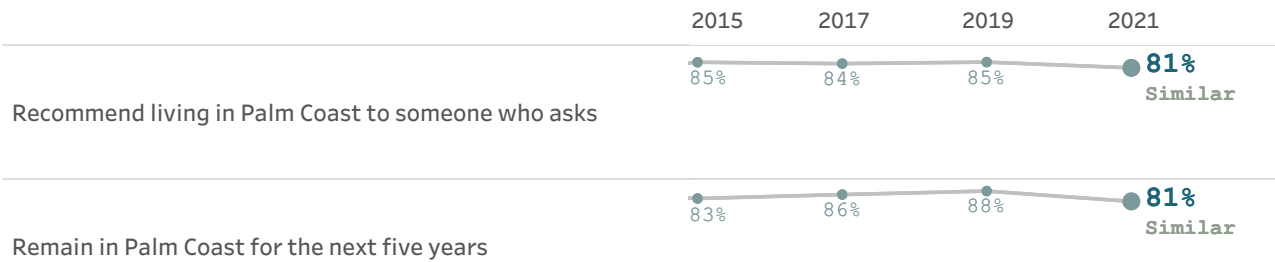
The overall quality of life in Palm Coast, 2021



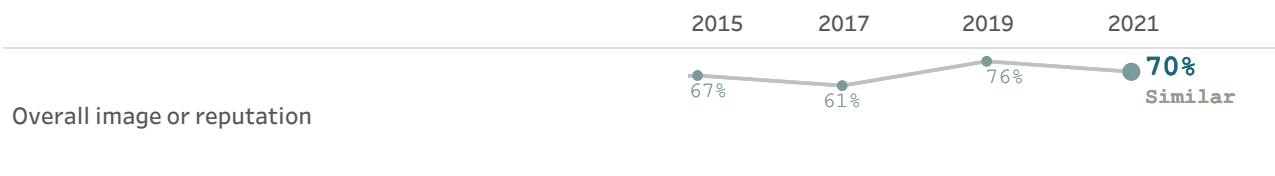
Please rate each of the following aspects of quality of life in Palm Coast.  
(% excellent or good)



Please indicate how likely or unlikely you are to do each of the following.  
(% very or somewhat likely)



Please rate each of the following in the Palm Coast community.  
(% excellent or good)

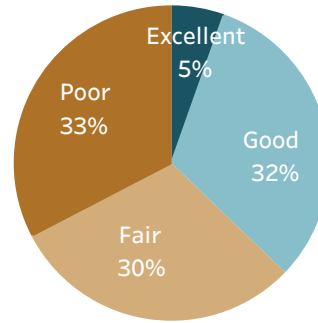


\* Comparison to the national benchmark is shown. If no comparison is available, this is left blank.

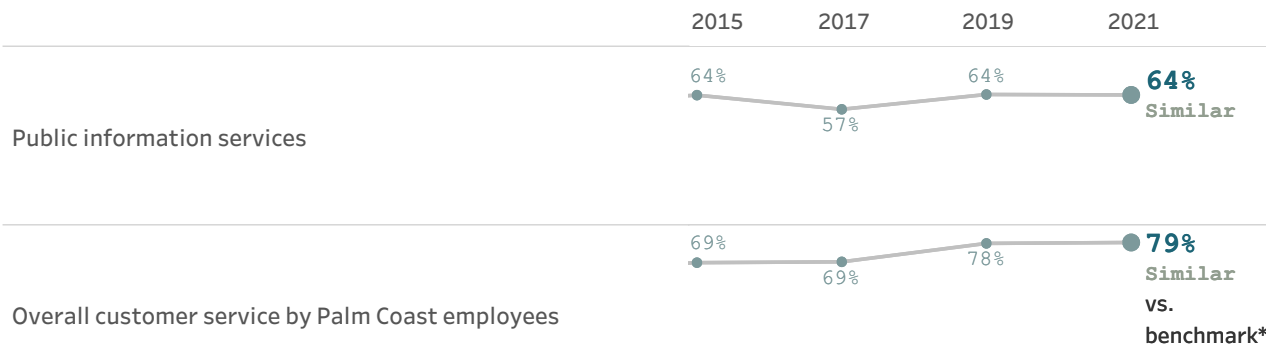
## Governance

Strong local governments produce results that meet the needs of residents while making the best use of available resources, and are responsive to the present and future needs of the community as a whole.

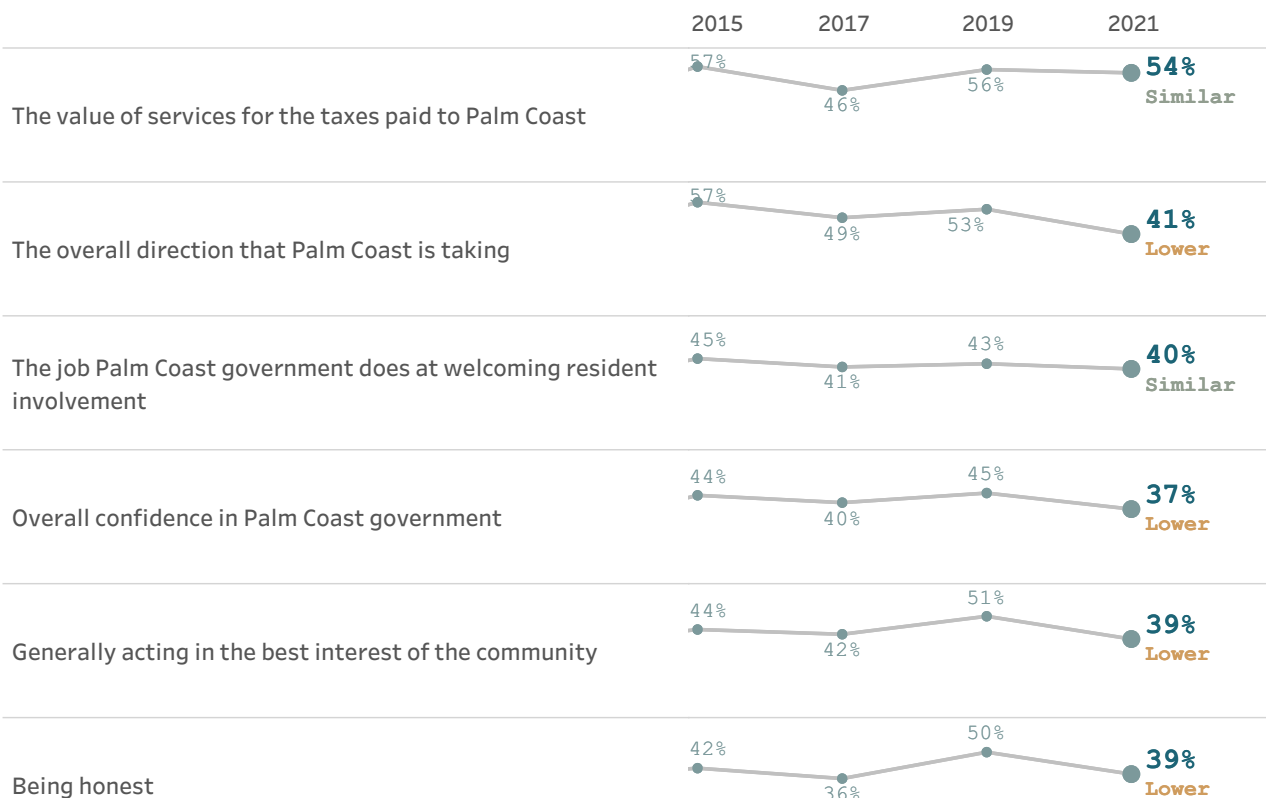
Overall confidence in Palm Coast government, 2021



Please rate the quality of each of the following services in Palm Coast. (% excellent or good)



Please rate the following categories of Palm Coast government performance. (% excellent or good)





Being open and transparent to the public

● **35%**  
Lower

Informing residents about issues facing the community

● **39%**  
Similar

Treating all residents fairly

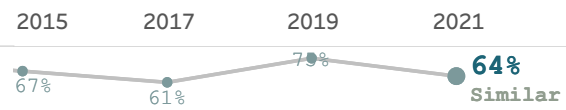


Treating residents with respect

● **56%**  
Similar

**Overall, how would you rate the quality of the services provided by each of the following?**  
(% excellent or good)

The City of Palm Coast



The Federal Government

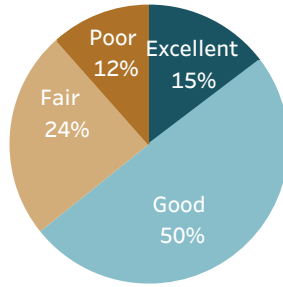


\* Comparison to the national benchmark is shown. If no comparison is available, this is left blank.

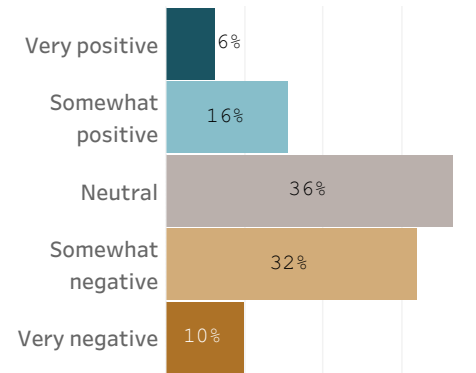
## Economy

Local governments work together with private and nonprofit businesses, and with the community at large, to foster sustainable growth, create jobs, and promote a thriving local economy.

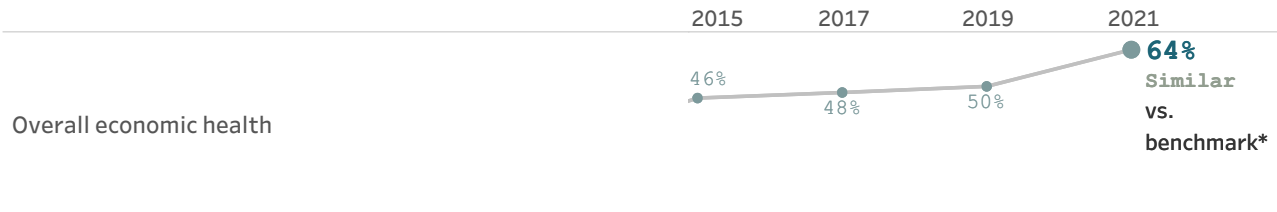
Overall economic health of Palm Coast, 2021



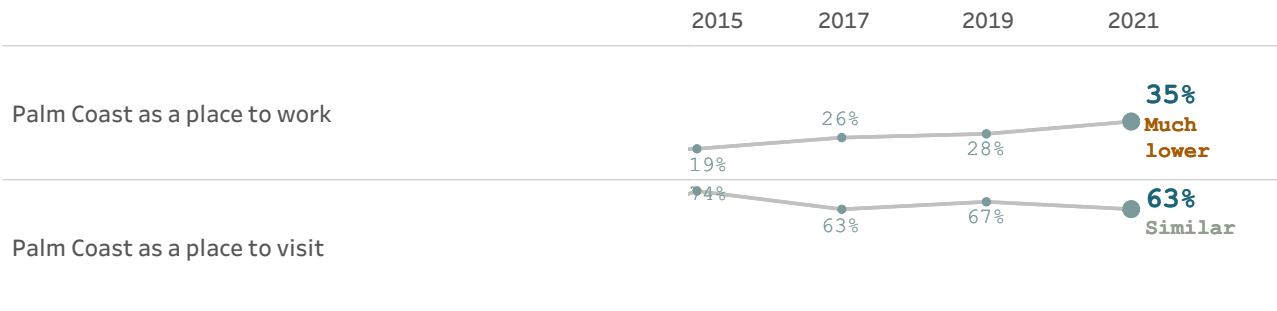
What impact, if any, do you think the economy will have on your family income in the next 6 months? Do you think the impact will be:



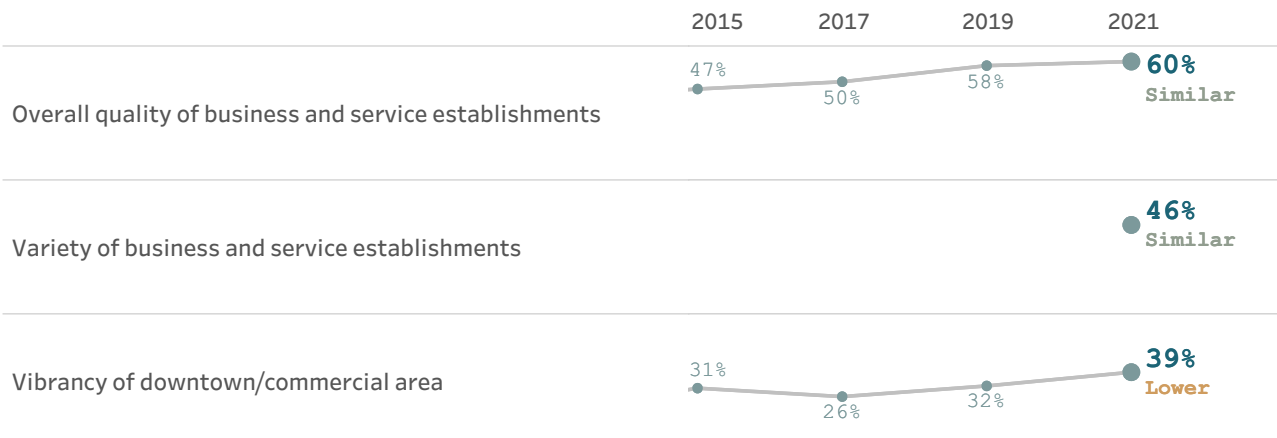
Please rate each of the following characteristics as they relate to Palm Coast as a whole. (% excellent or good)



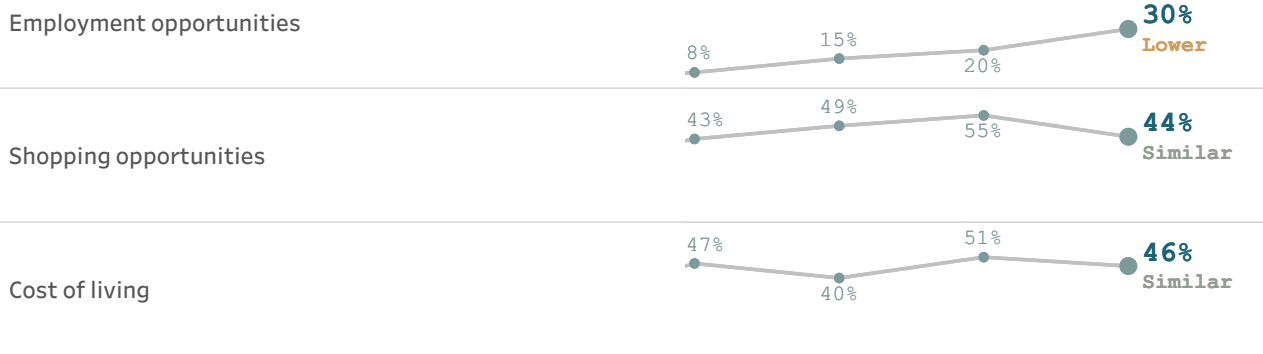
Please rate each of the following aspects of quality of life in Palm Coast. (% excellent or good)



Please rate each of the following in the Palm Coast community. (% excellent or good)



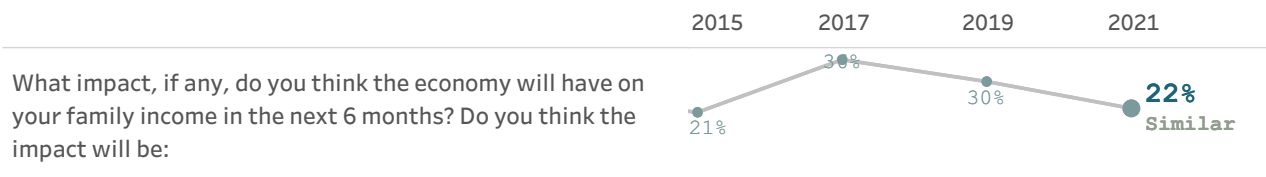




Please rate the quality of each of the following services in Palm Coast.  
 (% excellent or good)



What impact, if any, do you think the economy will have on your family income in the next 6 months? Do you think the impact will be:  
 (% very or somewhat positive)

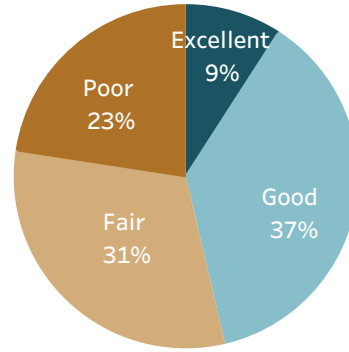


\* Comparison to the national benchmark is shown. If no comparison is available, this is left blank.

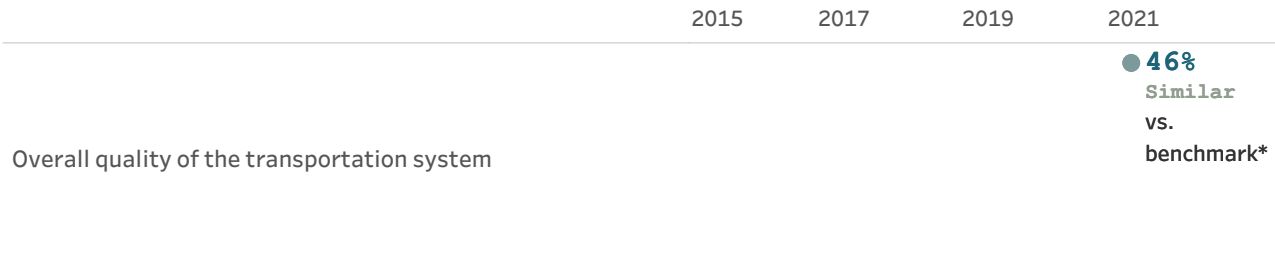
## Mobility

The ease with which residents can move about their communities, whether for commuting, leisure, or recreation, plays a major role in the quality of life for all who live, work, and play in the community.

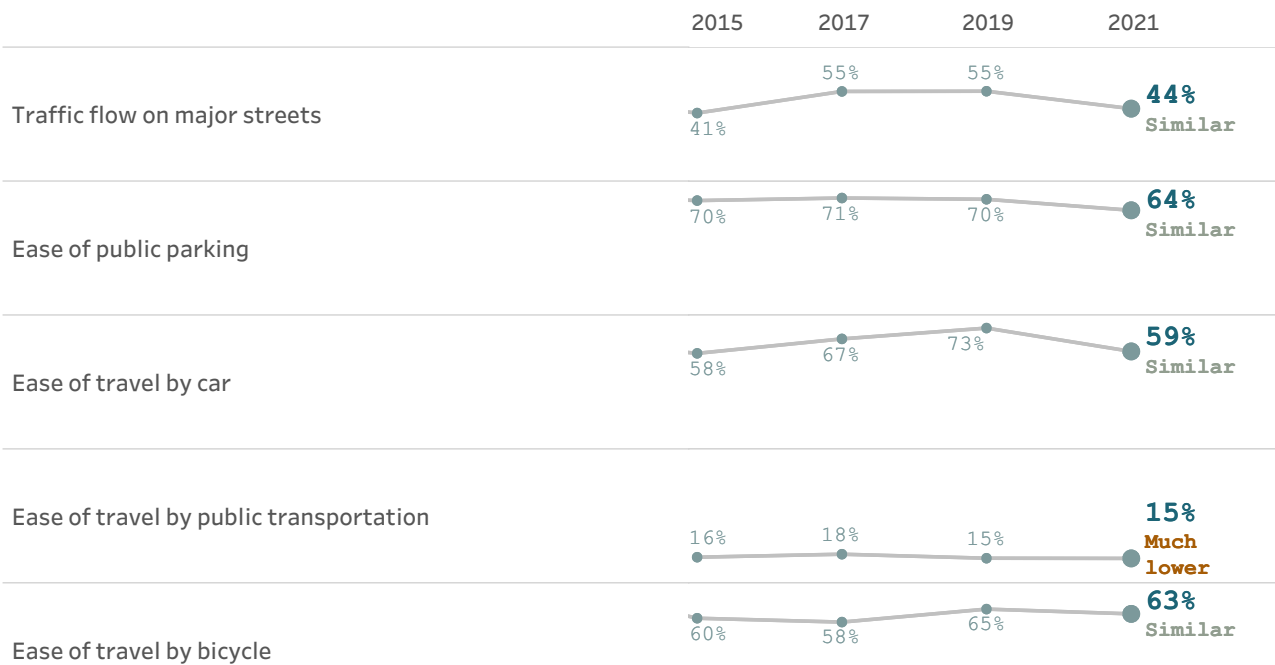
Overall quality of the transportation system in Palm Coast, 2021



Please rate each of the following characteristics as they relate to Palm Coast as a whole.  
(% excellent or good)



Please also rate each of the following in the Palm Coast community.  
(% excellent or good)

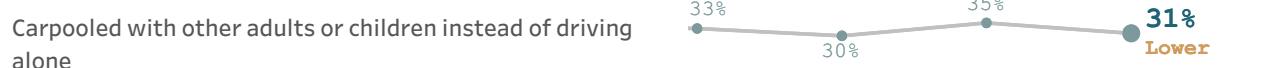






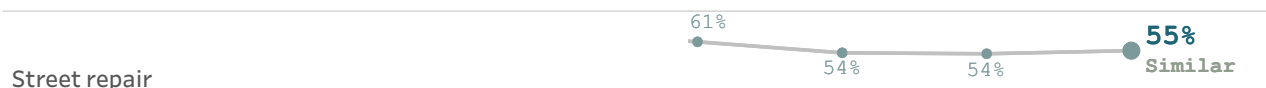
Please indicate whether or not you have done each of the following in the last 12 months.  
(% yes)

2015      2017      2019      2021



Please rate the quality of each of the following services in Palm Coast.  
(% excellent or good)

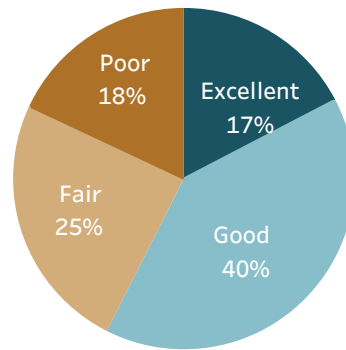
2015      2017      2019      2021



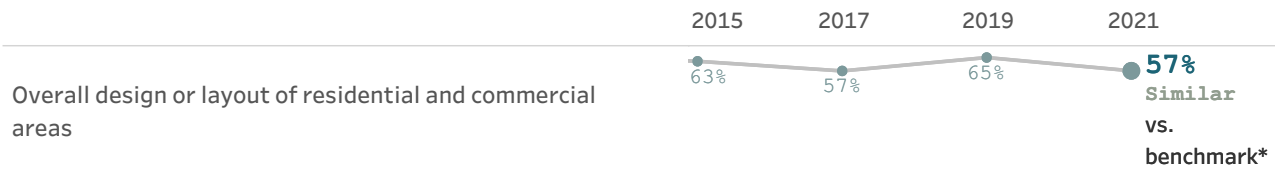
Overall design or layout of Palm Coast's residential and commercial areas, 2021

## Community design

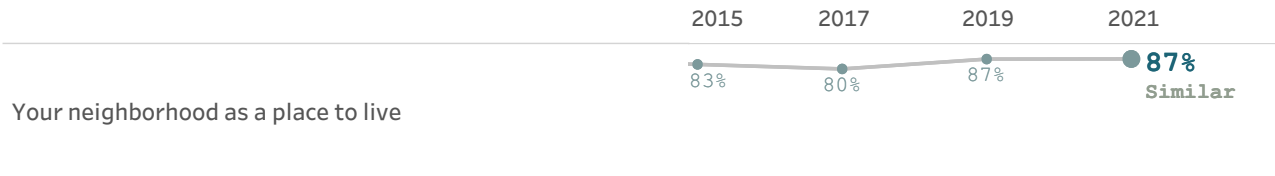
A well-designed community enhances the quality of life for its residents by encouraging smart land use and zoning, ensuring that affordable housing is accessible to all, and providing access to parks and other green spaces.



Please rate each of the following characteristics as they relate to Palm Coast as a whole.  
(% excellent or good)



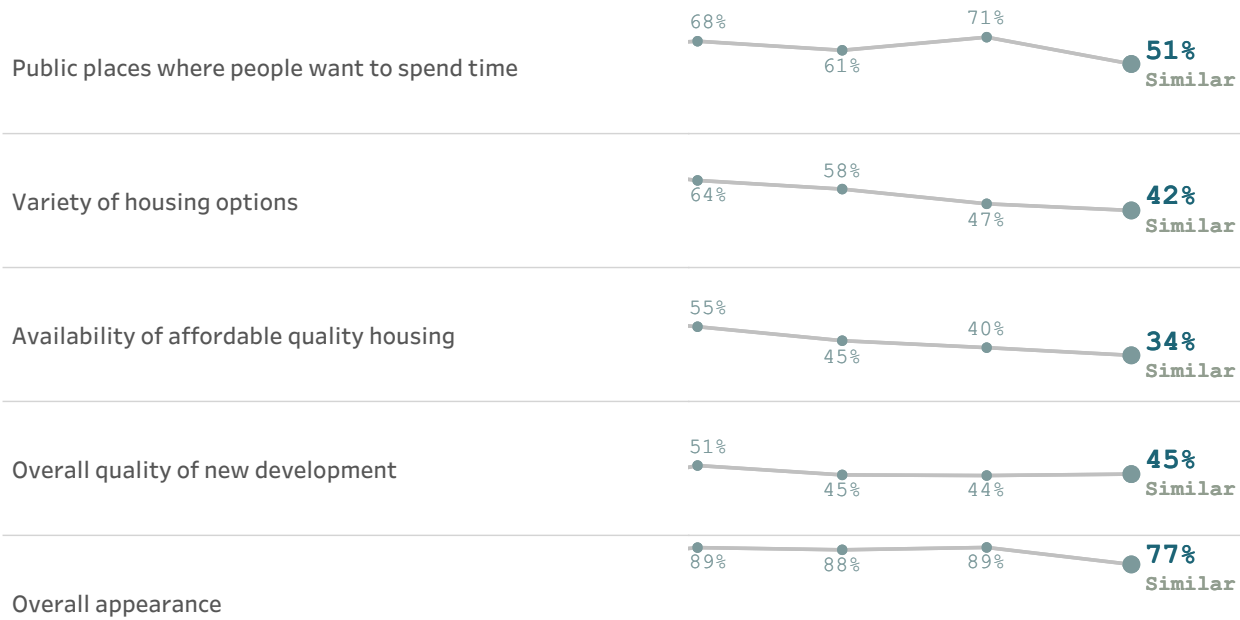
Please rate each of the following aspects of quality of life in Palm Coast.  
(% excellent or good)



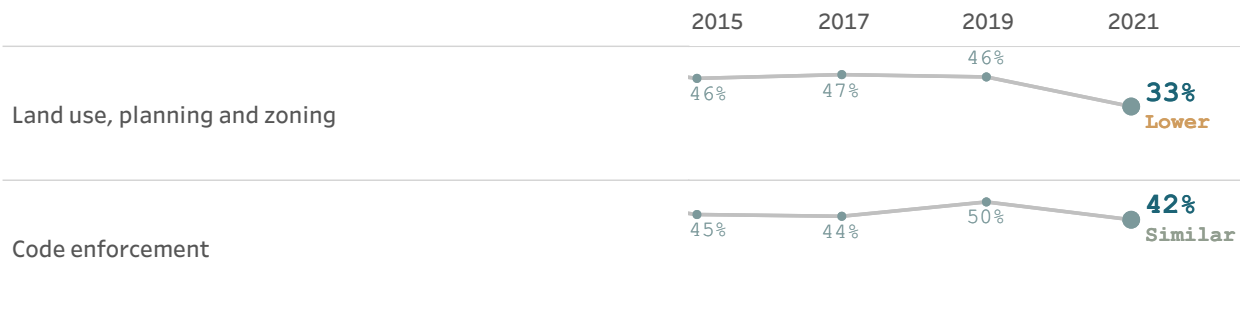
Please also rate each of the following in the Palm Coast community.  
(% excellent or good)





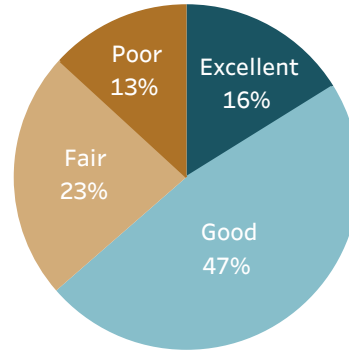


**Please rate the quality of each of the following services in Palm Coast.  
(% excellent or good)**



\* Comparison to the national benchmark is shown. If no comparison is available, this is left blank.

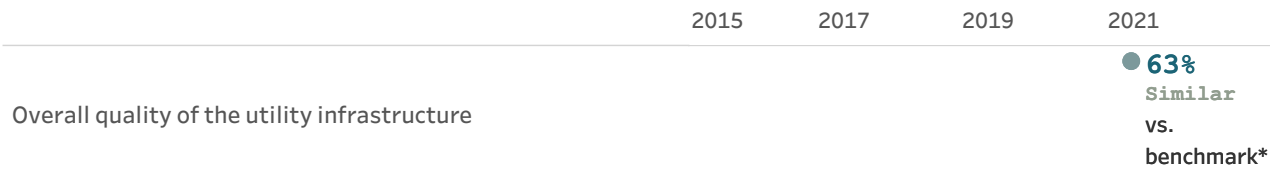
Overall quality of the utility infrastructure in Palm Coast, 2021



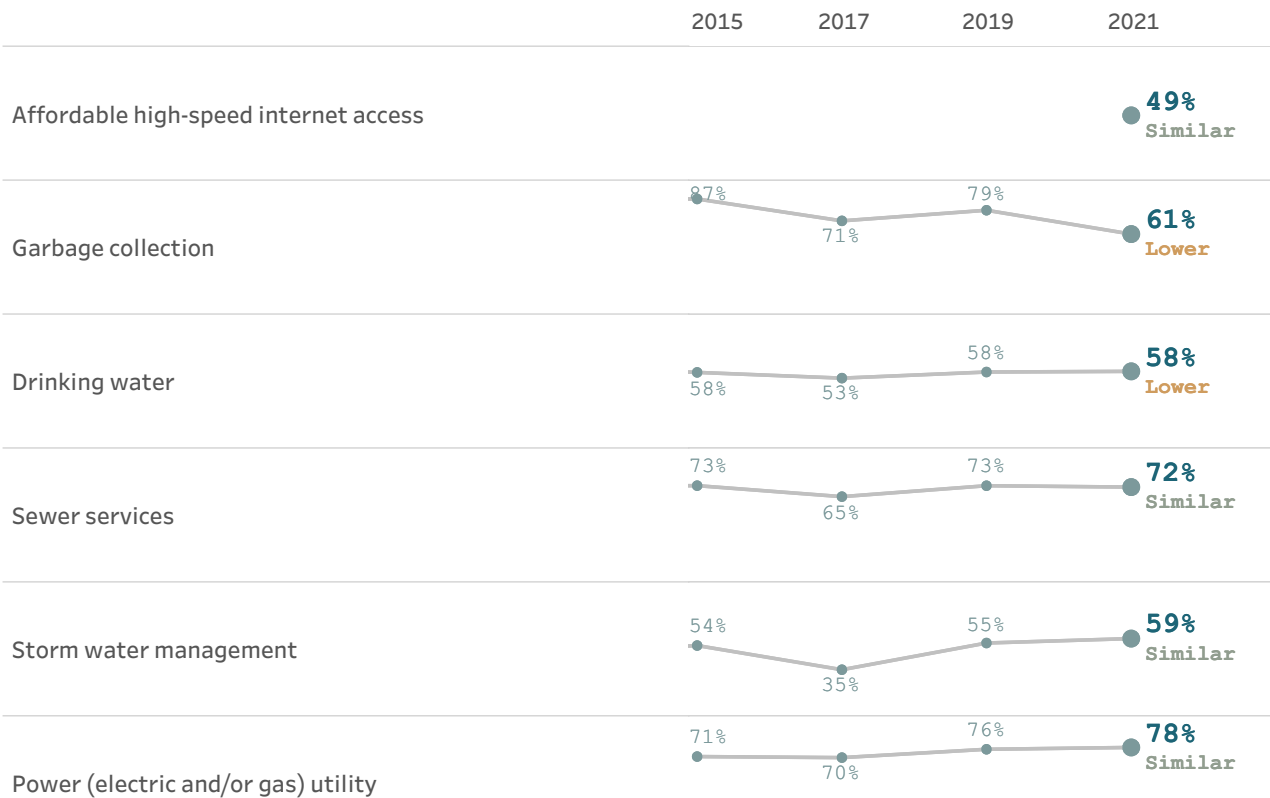
## Utilities

Services such as water, gas, electricity, and internet access play a vital role in ensuring the physical and economic health and well-being of the communities they serve.

Please rate each of the following characteristics as they relate to Palm Coast as a whole. (% excellent or good)



Please rate the quality of each of the following services in Palm Coast. (% excellent or good)

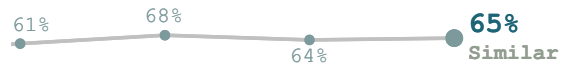




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Utility billing

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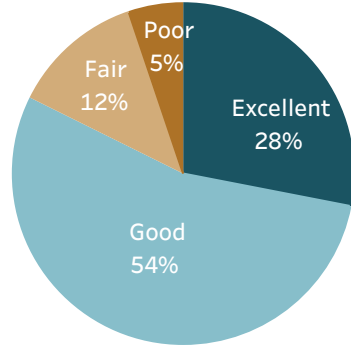


\* Comparison to the national benchmark is shown. If no comparison is available, this is left blank.

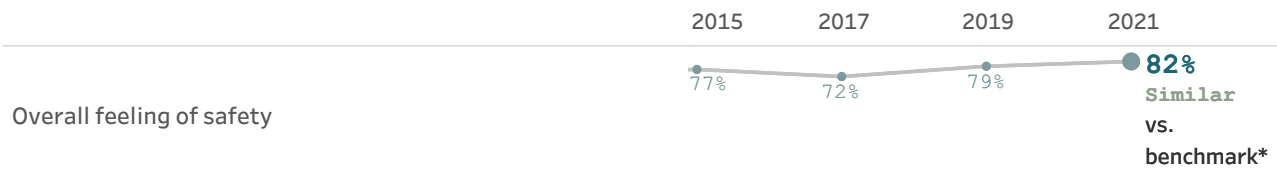
## Safety

Public safety is often the most important task facing local governments. All residents should feel safe and secure in their neighborhoods and in the greater community, and providing robust safety-related services is essential to residents' quality of life.

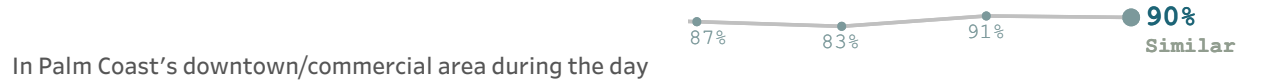
Overall feeling of safety in Palm Coast, 2021



Please rate each of the following characteristics as they relate to Palm Coast as a whole. (% excellent or good)



Please rate how safe or unsafe you feel: (% very or somewhat safe)





**Please rate the quality of each of the following services in Palm Coast.**  
 (% excellent or good)

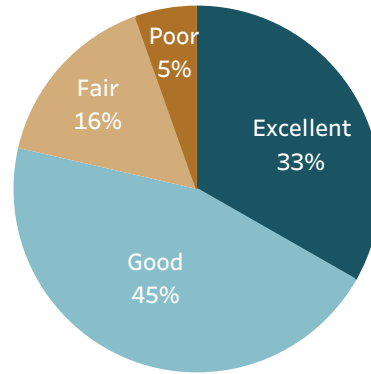


\* Comparison to the national benchmark is shown. If no comparison is available, this is left blank.

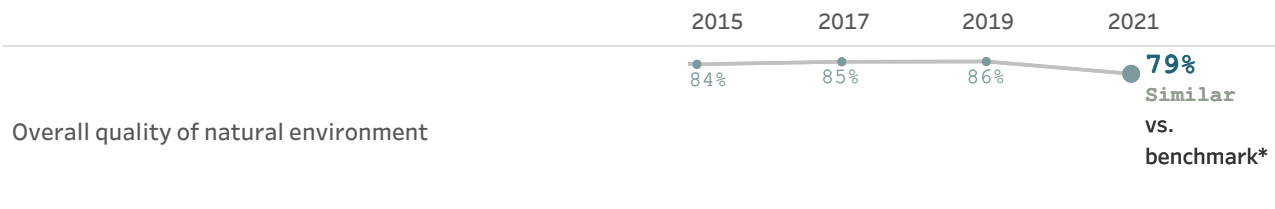
Overall quality of natural environment in Palm Coast, 2021

## Natural environment

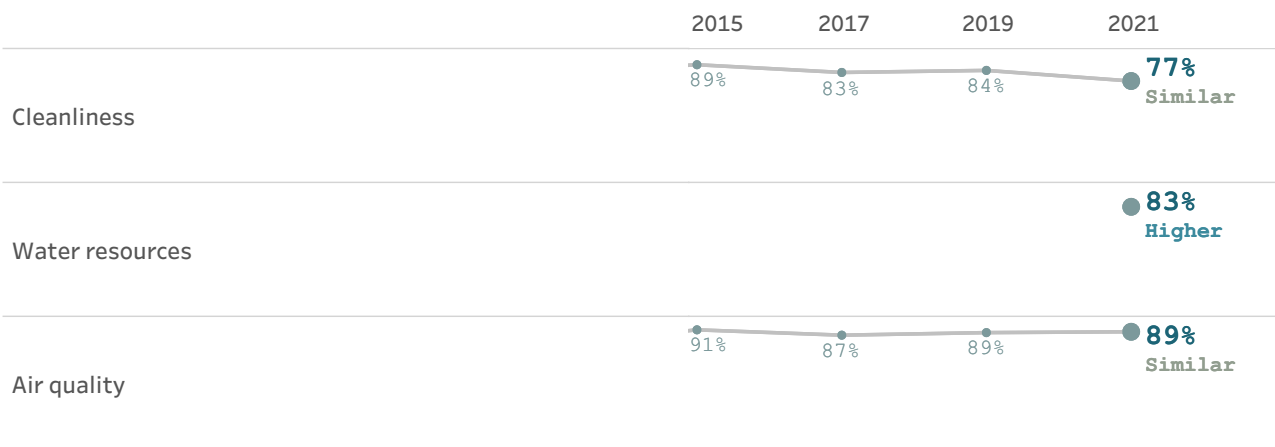
The natural environment plays a vital role in the health and well-being of residents. The natural spaces in which residents live and experience their communities has a direct and profound effect on quality of life.



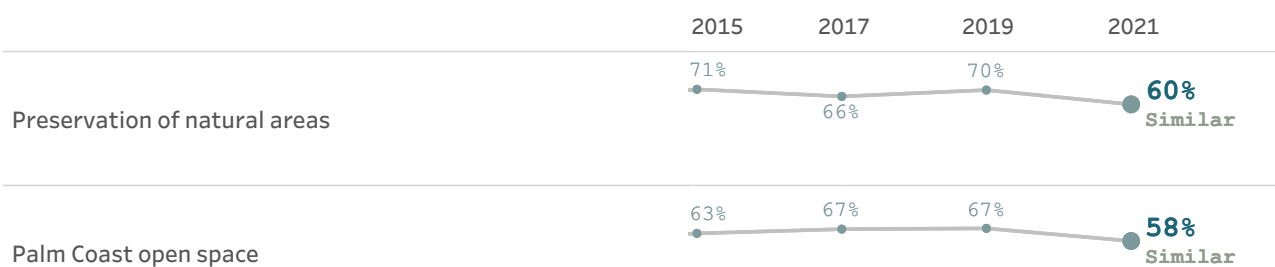
Please rate each of the following characteristics as they relate to Palm Coast as a whole. (% excellent or good)



Please also rate each of the following in the Palm Coast community. (% excellent or good)



Please rate the quality of each of the following services in Palm Coast. (% excellent or good)







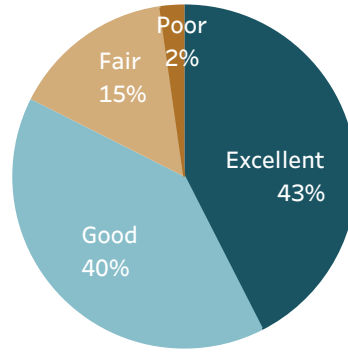
\* Comparison to the national benchmark is shown. If no comparison is available, this is left blank.

Overall quality of parks and recreation opportunities, 2021

## Parks and recreation

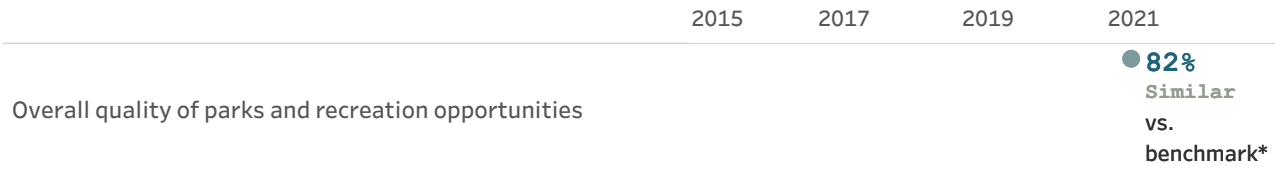
“There are no communities that pride themselves on their quality of life, promote themselves as a desirable location for businesses to relocate, or maintain that they are environmental stewards of their natural resources, without such communities having a robust, active system of parks and recreation programs for public use and enjoyment.”

- National Recreation and Park Association



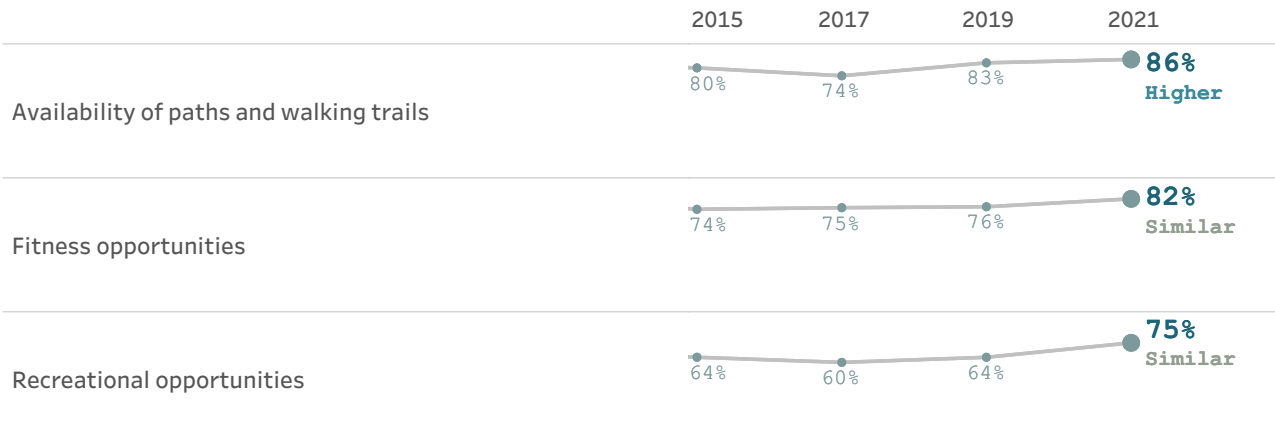
Please rate each of the following characteristics as they relate to Palm Coast as a whole.

(% excellent or good)



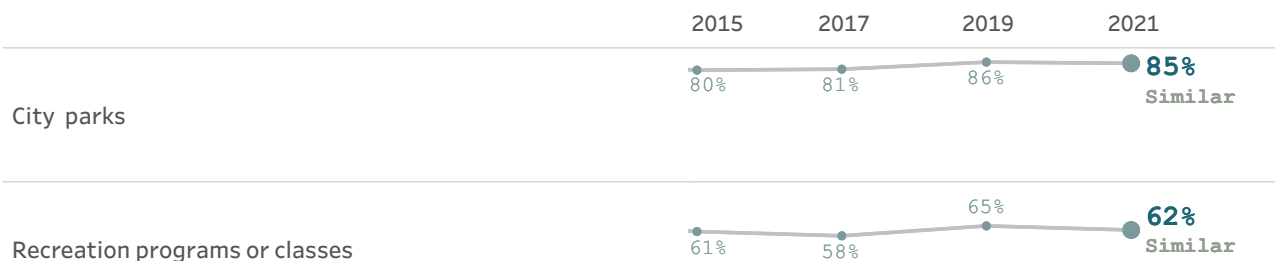
Please also rate each of the following in the Palm Coast community.

(% excellent or good)



Please rate the quality of each of the following services in Palm Coast.

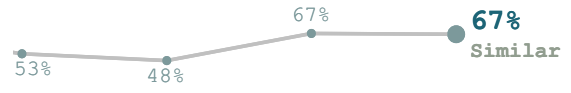
(% excellent or good)





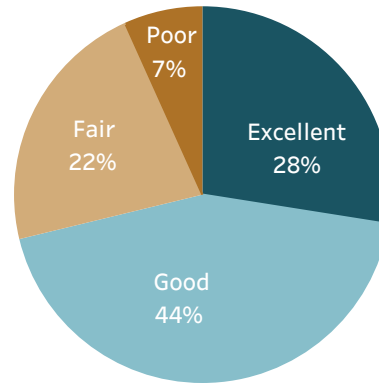
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Recreation centers or facilities



\* Comparison to the national benchmark is shown. If no comparison is available, this is left blank.

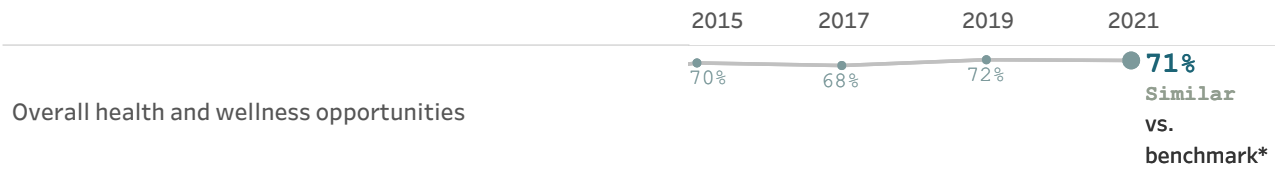
Overall health and wellness opportunities in Palm Coast, 2021



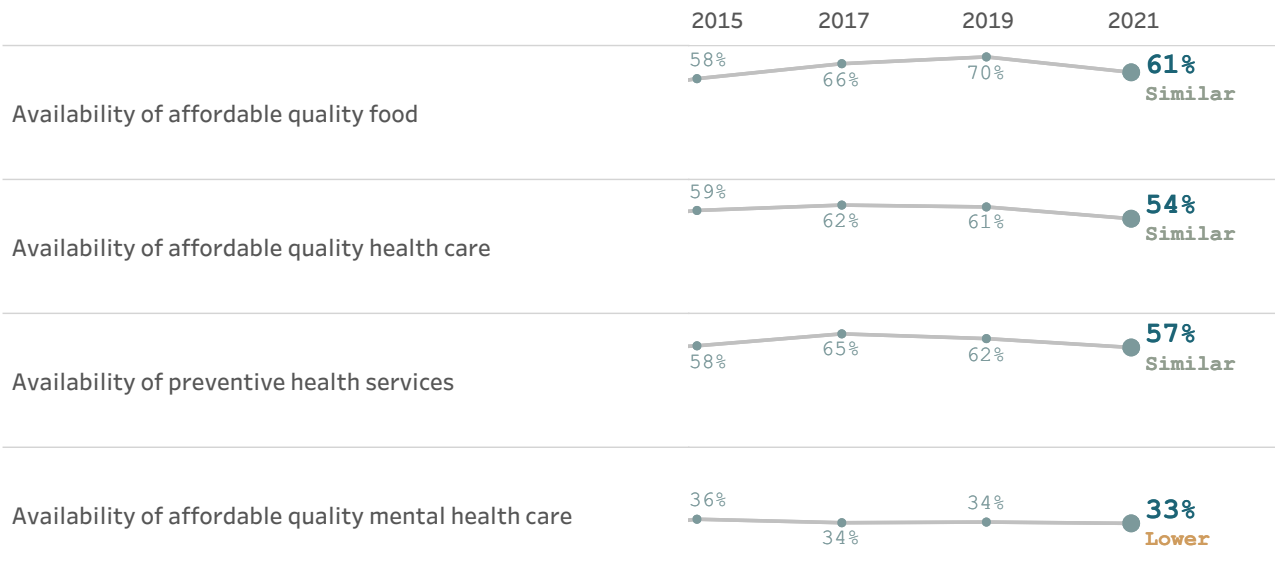
## Health and wellness

The characteristics of and amenities available in the communities in which people live has a direct impact on the health and wellness of residents, and thus, on their quality of life overall.

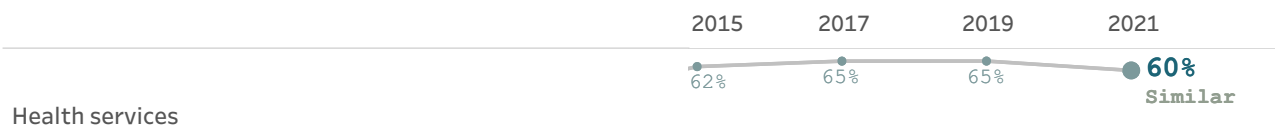
Please rate each of the following characteristics as they relate to Palm Coast as a whole.  
(% excellent or good)



Please also rate each of the following in the Palm Coast community.  
(% excellent or good)

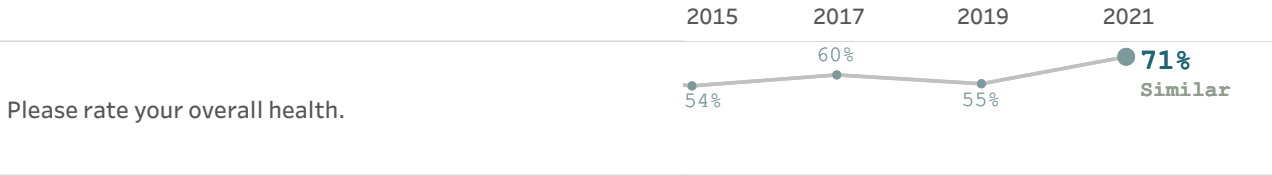


Please rate the quality of each of the following services in Palm Coast.  
(% excellent or good)



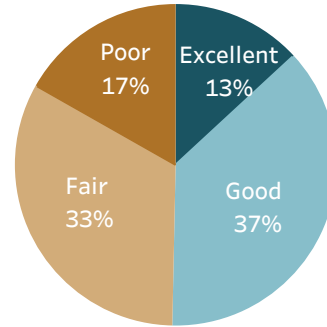


Please rate your overall health.  
(% excellent or very good)



\* Comparison to the national benchmark is shown. If no comparison is available, this is left blank.

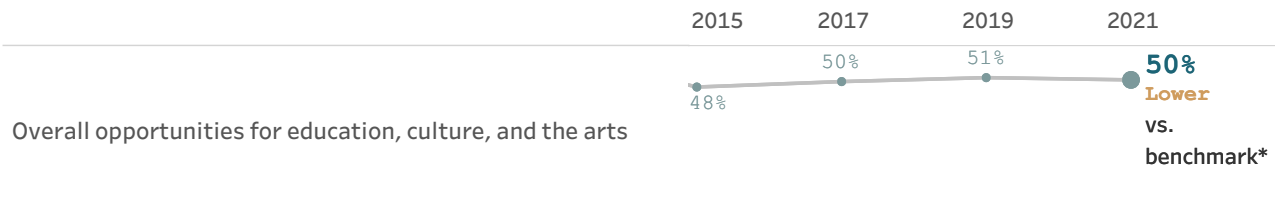
Overall opportunities for education, culture and the arts, 2021



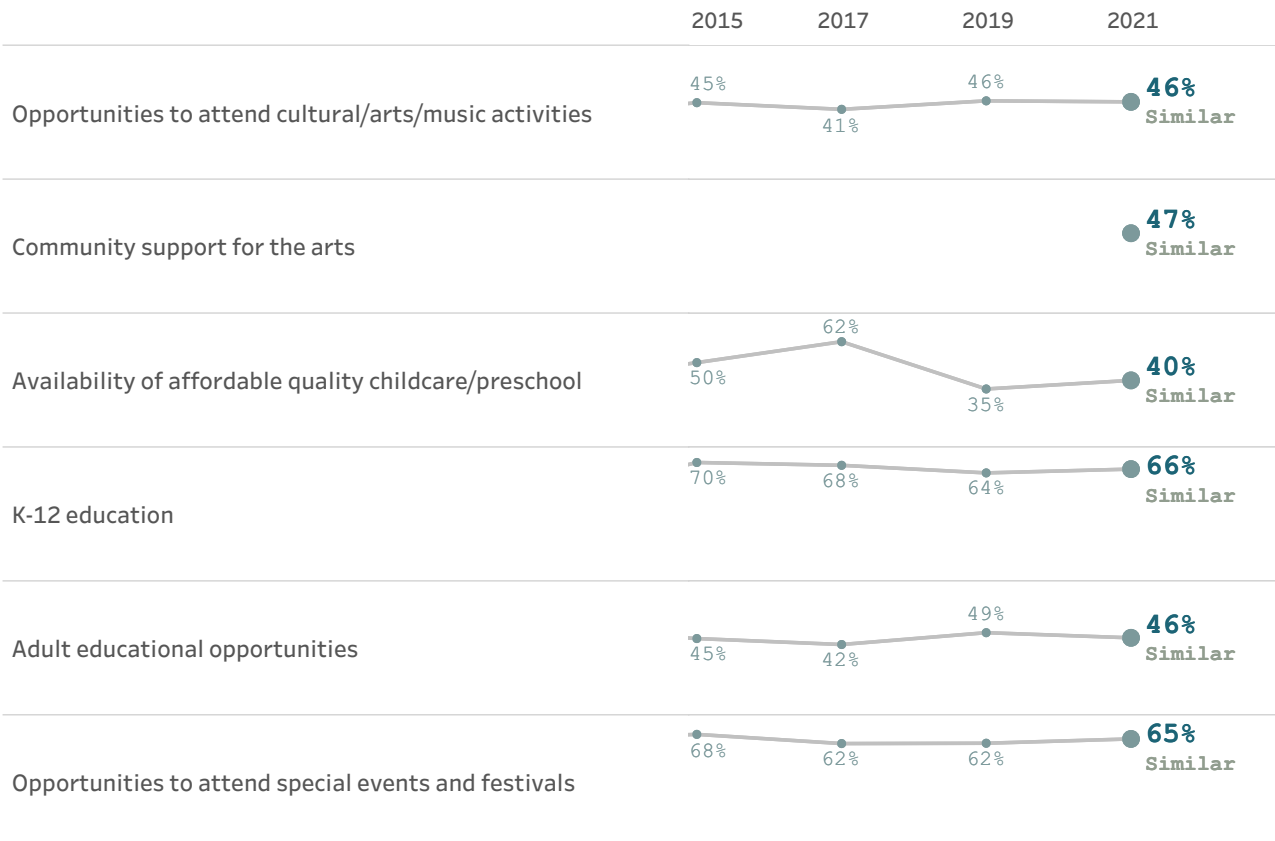
## Education, arts, and culture

Participation in the arts, in educational opportunities, and in cultural activities is linked to increased civic engagement, greater social tolerance, and enhanced enjoyment of the local community.

Please rate each of the following characteristics as they relate to Palm Coast as a whole. (% excellent or good)

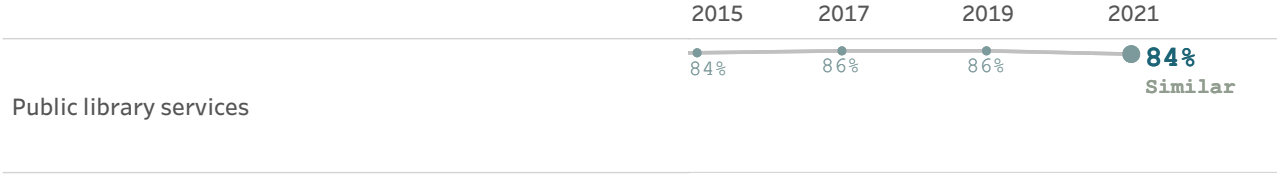


Please also rate each of the following in the Palm Coast community. (% excellent or good)



Please rate the quality of each of the following services in Palm Coast.

(% excellent or good)



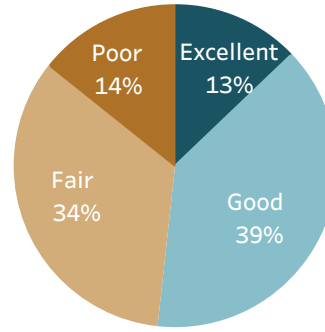
\* Comparison to the national benchmark is shown. If no comparison is available, this is left blank.



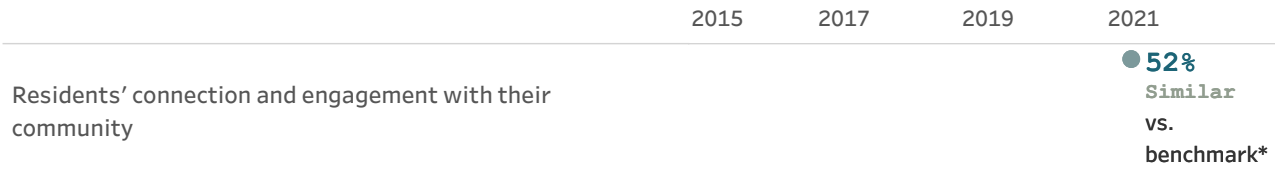
Residents' connection and engagement with their community, 2021

## Inclusivity and engagement

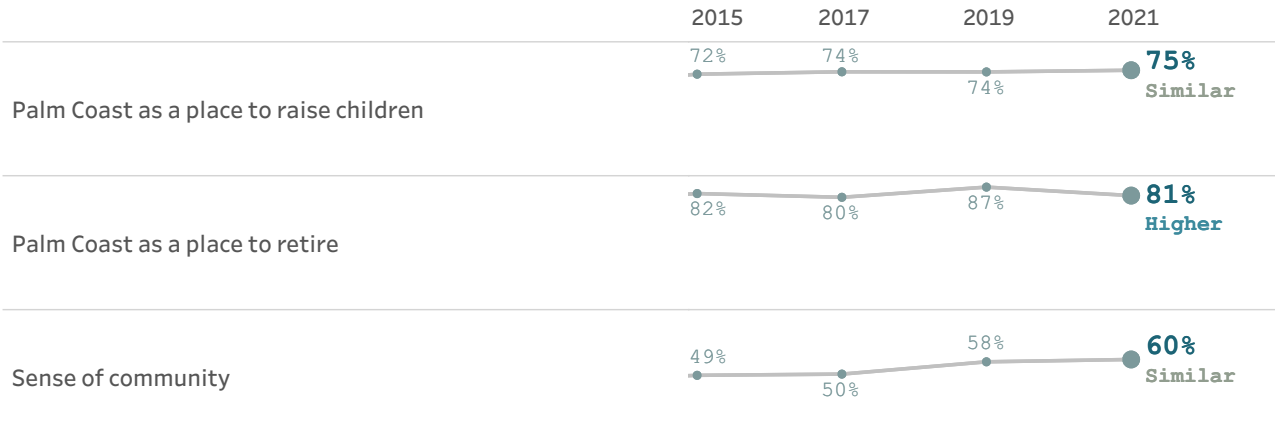
Inclusivity refers to a cultural and environmental feeling of belonging; residents who feel invited to participate within their communities feel more included, involved, and engaged than those who do not.



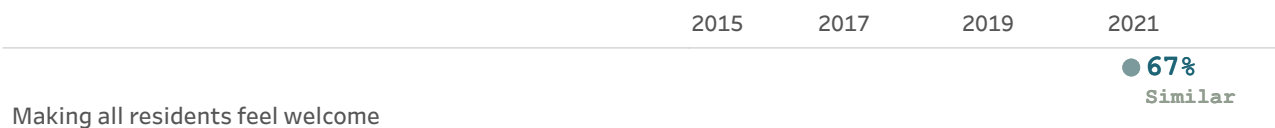
Please rate each of the following characteristics as they relate to Palm Coast as a whole.  
(% excellent or good)



Please rate each of the following aspects of quality of life in Palm Coast.  
(% excellent or good)



Please rate the job you feel the Palm Coast community does at each of the following.  
(% excellent or good)



● **69%**  
Similar

Attracting people from diverse backgrounds

● **70%**  
Similar

Valuing/respecting residents from diverse backgrounds

● **55%**  
Similar

Taking care of vulnerable residents

**Please also rate each of the following in the Palm Coast community.**  
**(% excellent or good)**

2015      2017      2019      2021

● **54%**  
Similar

Sense of civic/community pride

● **55%**  
Similar

Neighborliness of residents



● **56%**  
Similar

Opportunities to participate in social events and activities



● **71%**  
Similar

Opportunities to volunteer



● **59%**  
Similar

Opportunities to participate in community matters



● **58%**  
Similar

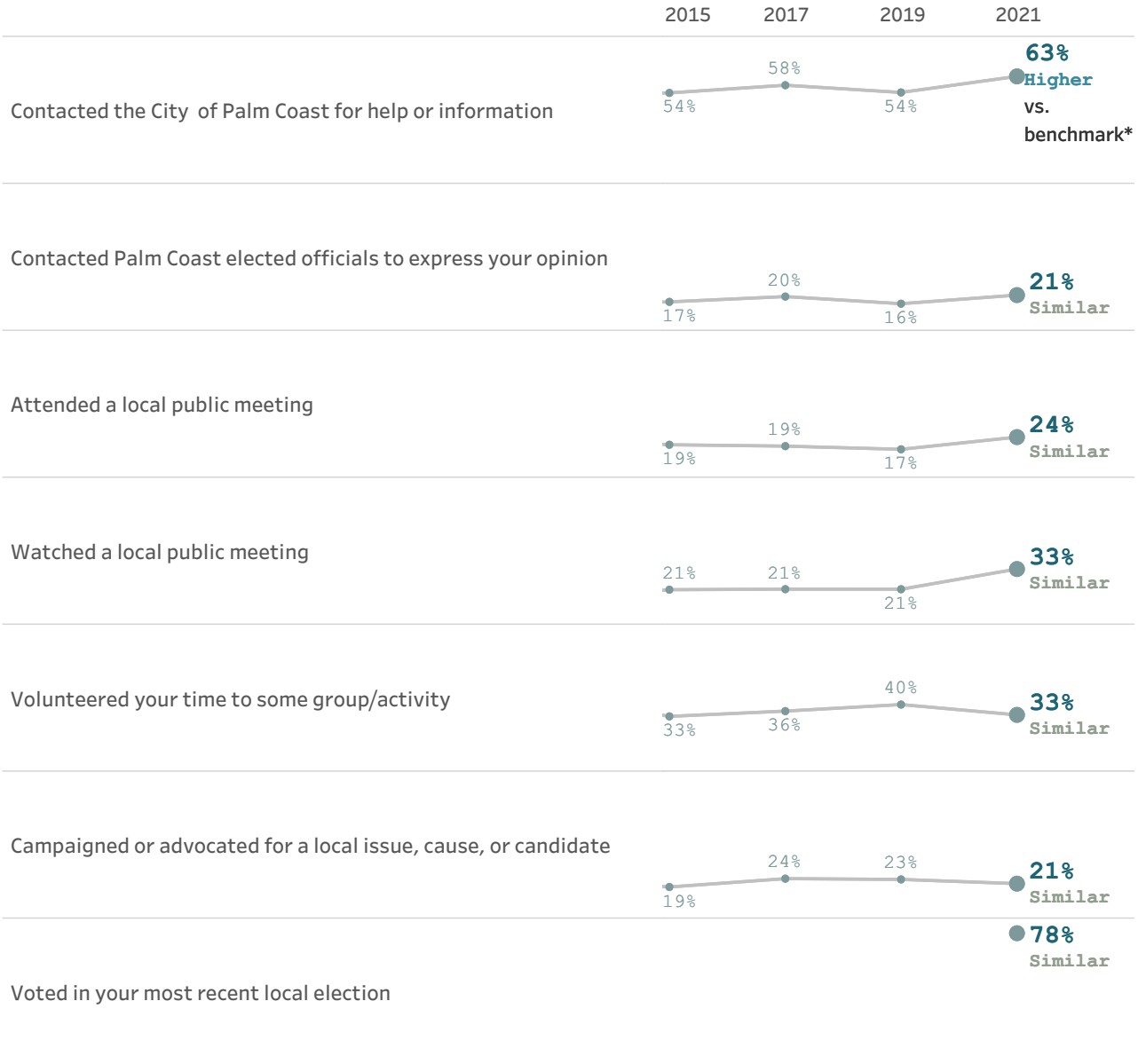
Openness and acceptance of the community toward people of diverse backgrounds



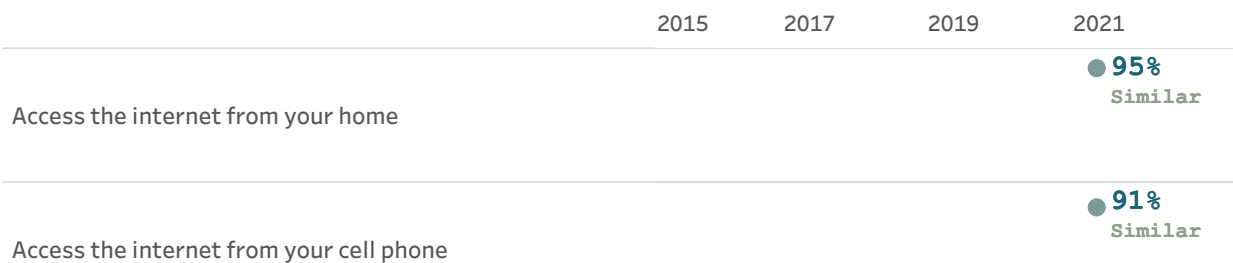
\* Comparison to the national benchmark is shown. If no comparison is available, this is left blank.

## Residents' participation levels

Please indicate whether or not you have done each of the following in the last 12 months.  
(% yes)



In general, how many times do you:  
(% a few times a week or more)





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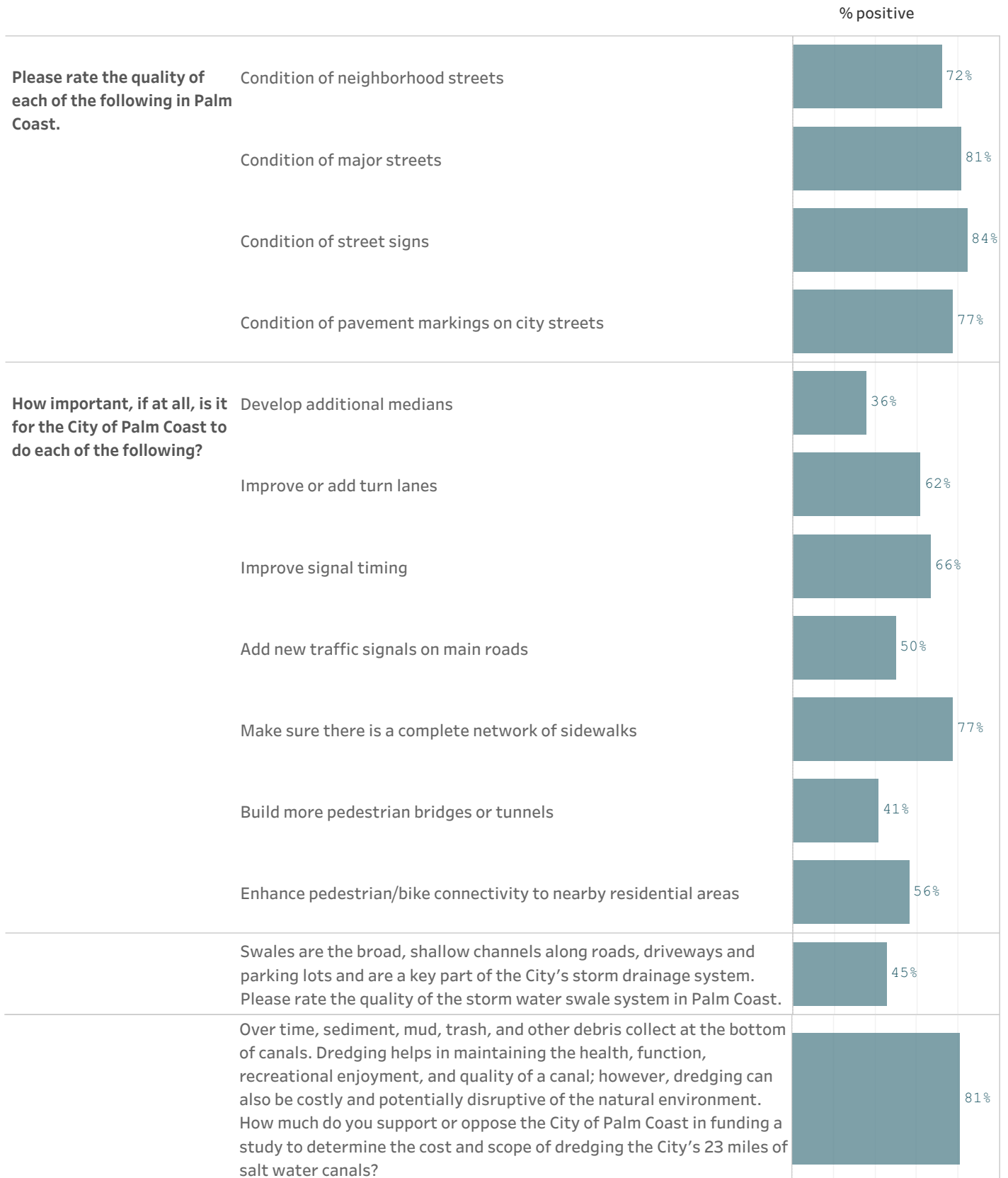
Visit social media sites	● <b>77%</b> Similar
Use or check email	● <b>99%</b> Similar
Share your opinions online	● <b>39%</b> Similar
Shop online	● <b>58%</b> Similar

---

\* Comparison to the national benchmark is shown. If no comparison is available, this is left blank.

## Custom questions

Below are the results of each custom question on the survey. The percentage of positive responses (Excellent/Good, Essential/Very important, Strongly/somewhat support is shown.



## National benchmark tables

This table contains the comparisons of Palm Coast’s results to those from other communities. The first column shows the comparison of Palm Coast’s rating to the benchmark. Palm Coast’s results are noted as being “higher”, “lower” or “similar” to the benchmark, meaning that the average rating given by Palm Coast residents is statistically similar to or different than the benchmark. The second column is Palm Coast’s “percent positive.” Most commonly, the percent positive is the combination of the top two most positive response options (i.e., excellent/good). The third column is the rank assigned to Palm Coast’s rating among communities where a similar question was asked. The fourth column is the number of communities that asked a similar question. The fifth column shows the percentile for Palm Coast’s result -- that is what percent of surveyed communities had a lower rating than Palm Coast.

			% positive	Rank	Number of communities	Percentile
<b>Please rate each of the following aspects of quality of life in Palm Coast.</b>	Palm Coast as a place to live	Similar	83%	243	388	37
	Your neighborhood as a place to live	Similar	87%	160	321	50
	Palm Coast as a place to raise children	Similar	75%	280	390	28
	Palm Coast as a place to work	Much lower	35%	357	373	4
	Palm Coast as a place to visit	Similar	63%	169	315	46
	Palm Coast as a place to retire	Higher	81%	42	375	89
	The overall quality of life	Similar	77%	250	431	42
	Sense of community	Similar	60%	217	323	33
<b>Please rate each of the following characteristics as they relate to Palm Coast as a whole.</b>	Overall economic health	Similar	64%	177	295	40
	Overall quality of the transportation system	Similar	46%	94	129	27
	Overall design or layout of residential and commercial areas	Similar	57%	194	289	33
	Overall quality of the utility infrastructure	Similar	63%	91	126	28
	Overall feeling of safety	Similar	82%	215	371	42
	Overall quality of natural environment	Similar	79%	153	300	49
	Overall quality of parks and recreation opportunities	Similar	82%	52	132	61
	Overall health and wellness opportunities	Similar	71%	150	290	48
	Overall opportunities for education, culture, and the arts	Lower	50%	237	293	19
	Residents’ connection and engagement with their community	Similar	52%	86	127	33
<b>Please indicate how likely or unlikely you are to do each of the following.</b>	Recommend living in Palm Coast to someone who asks	Similar	81%	232	306	24
	Remain in Palm Coast for the next five years	Similar	81%	219	299	27
<b>Please rate how safe or unsafe you feel:</b>	In your neighborhood during the day	Similar	94%	218	355	38
	In Palm Coast’s downtown/commercial area during the day	Similar	90%	200	331	39



<b>Please rate how safe or unsafe you feel:</b>	From property crime	Similar	81%	53	137	62
	From violent crime	Similar	84%	85	137	37
	From fire, flood, or other natural disaster	Similar	79%	94	125	25
<b>Please rate the job you feel the Palm Coast community does at each of the following.</b>	Making all residents feel welcome	Similar	67%	87	132	34
	Attracting people from diverse backgrounds	Similar	69%	44	130	66
	Valuing/respecting residents from diverse backgrounds	Similar	70%	59	130	55
	Taking care of vulnerable residents	Similar	55%	84	127	34
<b>Please rate each of the following in the Palm Coast community.</b>	Overall quality of business and service establishments	Similar	60%	206	298	31
	Variety of business and service establishments	Similar	46%	100	127	22
	Vibrancy of downtown/commercial area	Lower	39%	209	280	25
	Employment opportunities	Lower	30%	264	327	19
	Shopping opportunities	Similar	44%	206	313	34
	Cost of living	Similar	46%	143	292	51
	Overall image or reputation	Similar	70%	215	368	41
<b>Please also rate each of the following in the Palm Coast community.</b>	Traffic flow on major streets	Similar	44%	239	344	30
	Ease of public parking	Similar	64%	121	269	55
	Ease of travel by car	Similar	59%	244	323	24
	Ease of travel by public transportation	Much lower	15%	266	274	3
	Ease of travel by bicycle	Similar	63%	121	325	63
	Ease of walking	Similar	60%	207	325	36
	Well-planned residential growth	Similar	38%	102	129	21
	Well-planned commercial growth	Similar	34%	105	129	19
	Well-designed neighborhoods	Similar	48%	98	127	23
	Preservation of the historical or cultural character of the communi..	Similar	50%	108	125	14
	Public places where people want to spend time	Similar	51%	225	285	21
	Variety of housing options	Similar	42%	206	301	31
	Availability of affordable quality housing	Similar	34%	189	326	42
	Overall quality of new development	Similar	45%	266	319	16
	Overall appearance	Similar	77%	146	357	59
	Cleanliness	Similar	77%	154	327	53
	Water resources	Higher	83%	20	115	83

<b>Please also rate each of the following in the Palm Coast community.</b>	Air quality	Similar	89%	87	281	69
	Availability of paths and walking trails	Higher	86%	55	329	83
	Fitness opportunities	Similar	82%	66	281	76
	Recreational opportunities	Similar	75%	120	312	61
	Availability of affordable quality food	Similar	61%	206	276	25
	Availability of affordable quality health care	Similar	54%	213	289	26
	Availability of preventive health services	Similar	57%	194	272	29
	Availability of affordable quality mental health care	Lower	33%	226	272	17
	Opportunities to attend cultural/arts/music activities	Similar	46%	237	309	23
	Community support for the arts	Similar	47%	93	126	26
	Availability of affordable quality childcare/preschool	Similar	40%	219	287	24
	K-12 education	Similar	66%	211	293	28
	Adult educational opportunities	Similar	46%	207	278	25
	Sense of civic/community pride	Similar	54%	93	126	26
	Neighborliness of residents	Similar	55%	220	285	22
	Opportunities to participate in social events and activities	Similar	56%	191	292	34
	Opportunities to attend special events and festivals	Similar	65%	191	299	36
	Opportunities to volunteer	Similar	71%	142	289	51
	Opportunities to participate in community matters	Similar	59%	212	293	27
Openness and acceptance of the community toward people of diverse...	Similar	58%	203	317	36	
<b>Please indicate whether or not you have done each of the following in the last 12 months.</b>	Contacted the City of Palm Coast for help or information	Higher	63%	15	346	95
	Contacted Palm Coast elected officials to express your opinion	Similar	21%	73	287	74
	Attended a local public meeting	Similar	24%	74	286	74
	Watched a local public meeting	Similar	33%	52	265	80
	Volunteered your time to some group/activity	Similar	33%	153	291	47
	Campaigned or advocated for a local issue, cause, or candidate	Similar	21%	143	275	48
	Voted in your most recent local election	Similar	78%	67	128	48
	Used public transportation instead of driving	Lower	7%	208	256	19
	Carpooled with other adults or children instead of driving alone	Lower	31%	264	281	6
	Walked or biked instead of driving	Similar	48%	209	284	26
	<b>Please rate the quality of each of the following</b>	Public information services	Similar	64%	223	311

Please rate the quality of each of the following services in Palm Coast.

Economic development	Similar	44%	236	302	22
Traffic enforcement	Similar	56%	305	371	18
Traffic signal timing	Similar	45%	234	292	20
Street repair	Similar	55%	154	372	58
Street cleaning	Similar	66%	182	313	42
Street lighting	Lower	46%	324	353	8
Sidewalk maintenance	Similar	63%	157	318	50
Bus or transit services	Much lower	20%	254	267	5
Land use, planning and zoning	Lower	33%	281	315	11
Code enforcement	Similar	42%	264	371	29
Affordable high-speed internet access	Similar	49%	88	123	29
Garbage collection	Lower	61%	335	347	3
Drinking water	Lower	58%	265	314	15
Sewer services	Similar	72%	248	316	21
Storm water management	Similar	59%	259	340	24
Power (electric and/or gas) utility	Similar	78%	166	234	29
Utility billing	Similar	65%	209	268	22
Police/Sheriff services	Similar	84%	97	423	77
Crime prevention	Similar	82%	97	370	74
Animal control	Similar	76%	126	335	62
Ambulance or emergency medical services	Similar	88%	170	332	49
Fire services	Similar	92%	164	365	55
Fire prevention and education	Similar	83%	145	303	52
Emergency preparedness	Similar	81%	52	303	83
Preservation of natural areas	Similar	60%	172	283	39
Palm Coast open space	Similar	58%	172	273	37
Recycling	Similar	64%	296	351	15
Yard waste pick-up	Similar	70%	213	296	28
City parks	Similar	85%	152	329	54
Recreation programs or classes	Similar	62%	231	324	29
Recreation centers or facilities	Similar	67%	172	297	42



<b>Please rate the quality of each of the following services in Palm Coast.</b>	Health services	Similar	60%	185	264	30
	Public library services	Similar	84%	245	339	27
	Overall customer service by Palm Coast employees	Similar	79%	155	386	60
<b>Please rate the following categories of Palm Coast government performance.</b>	The value of services for the taxes paid to Palm Coast	Similar	54%	209	393	46
	The overall direction that Palm Coast is taking	Lower	41%	305	340	10
	The job Palm Coast government does at welcoming resident involv..	Similar	40%	284	334	15
	Overall confidence in Palm Coast government	Lower	37%	266	295	10
	Generally acting in the best interest of the community	Lower	39%	265	298	11
	Being honest	Lower	39%	258	288	10
	Being open and transparent to the public	Lower	35%	117	129	10
	Informing residents about issues facing the community	Similar	39%	111	135	18
	Treating all residents fairly	Similar	48%	217	295	26
	Treating residents with respect	Similar	56%	106	126	16
<b>Overall, how would you rate the quality of the services provided by each ..</b>	The City of Palm Coast	Similar	64%	287	389	26
	The Federal Government	Similar	43%	118	278	57
<b>Please rate how important, if at all, you think it is for the Palm Coast community to focus on each of the following in the coming two years.</b>	Overall economic health	Similar	91%	108	272	60
	Overall quality of the transportation system	Similar	77%	57	125	55
	Overall design or layout of residential and commercial areas	Similar	84%	27	272	90
	Overall quality of the utility infrastructure	Similar	92%	22	124	83
	Overall feeling of safety	Similar	94%	98	272	64
	Overall quality of natural environment	Similar	88%	61	272	77
	Overall quality of parks and recreation opportunities	Similar	81%	61	125	52
	Overall health and wellness opportunities	Similar	87%	18	272	93
	Overall opportunities for education, culture, and the arts	Similar	78%	151	272	44
	Residents' connection and engagement with their community	Similar	72%	187	272	31
<b>In general, how many times do you:</b>	Access the internet from your home	Similar	95%	64	125	49
	Access the internet from your cell phone	Similar	91%	96	125	24
	Visit social media sites	Similar	77%	94	124	25
	Use or check email	Similar	99%	18	125	86
	Share your opinions online	Similar	39%	10	125	92
	Shop online	Similar	58%	53	125	58
































Please rate your overall health.	Similar	71%	89	278	68
What impact, if any, do you think the economy will have on your fa..	Similar	22%	234	281	17
































## Complete set of frequencies

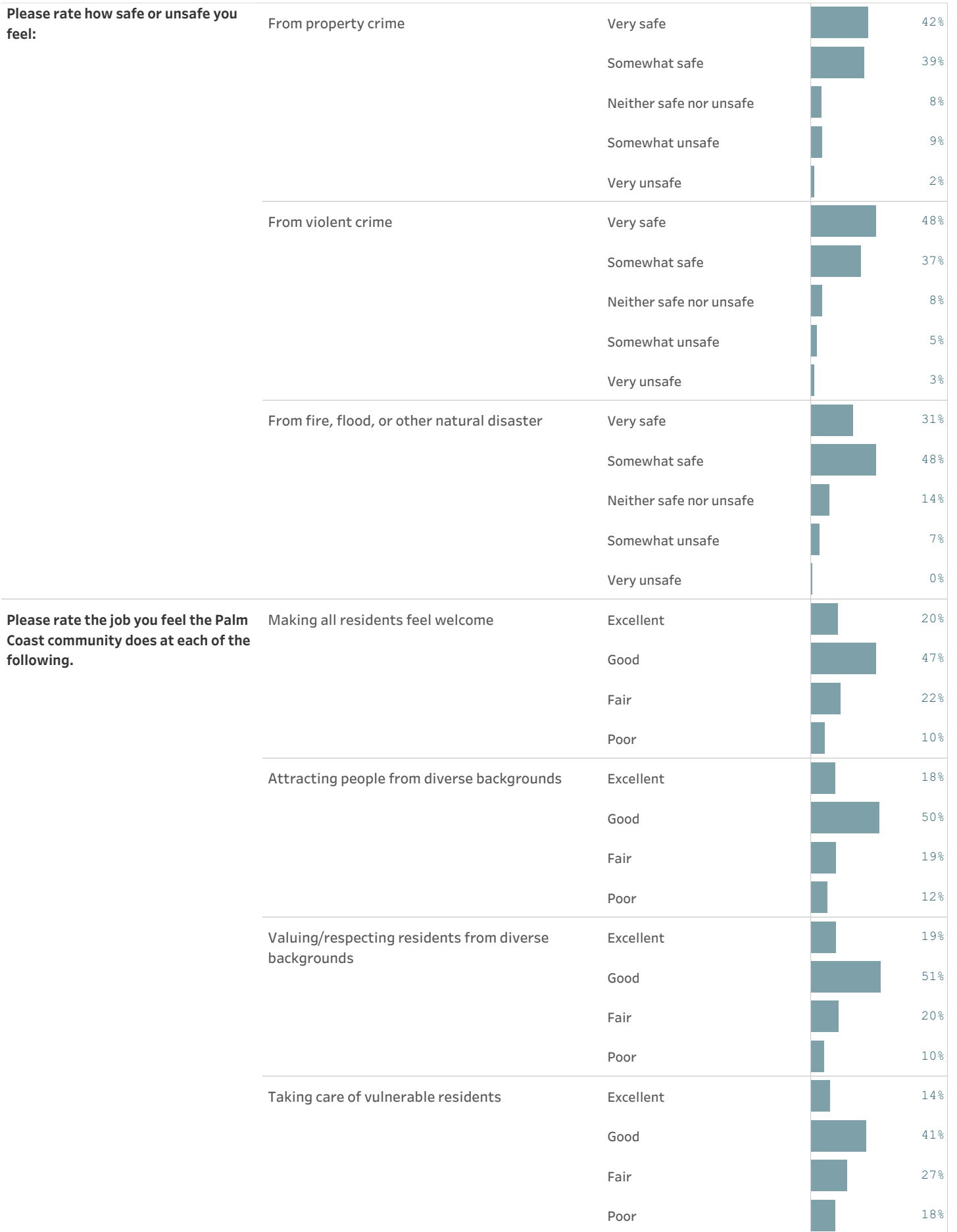
This dashboard contains a complete set of responses to each question on the survey. By default, "Don't know" responses are excluded, but may be added to the table using the response filter to the right. When a table for a question that only permitted a single response does not total to exactly 100%, it is due to the common practice of percentages being rounded to the nearest whole number.

Please rate each of the following aspects of quality of life in Palm Coast.	Question	Rating	Frequency	
			Bar	Percentage
Palm Coast as a place to live	Palm Coast as a place to live	Excellent		33%
		Good		50%
		Fair		14%
		Poor		3%
Your neighborhood as a place to live	Your neighborhood as a place to live	Excellent		39%
		Good		48%
		Fair		10%
		Poor		3%
Palm Coast as a place to raise children	Palm Coast as a place to raise children	Excellent		25%
		Good		50%
		Fair		16%
		Poor		10%
Palm Coast as a place to work	Palm Coast as a place to work	Excellent		9%
		Good		26%
		Fair		31%
		Poor		33%
Palm Coast as a place to visit	Palm Coast as a place to visit	Excellent		21%
		Good		42%
		Fair		30%
		Poor		7%
Palm Coast as a place to retire	Palm Coast as a place to retire	Excellent		42%
		Good		39%
		Fair		17%
		Poor		2%
The overall quality of life	The overall quality of life	Excellent		30%
		Good		47%
		Fair		18%
		Poor		4%


































<b>Please rate each of the following aspects of quality of life in Palm Coast.</b>	Sense of community	Excellent		18%
		Good		42%
		Fair		26%
		Poor		14%
<b>Please rate each of the following characteristics as they relate to Palm Coast as a whole.</b>	Overall economic health	Excellent		15%
		Good		50%
		Fair		24%
		Poor		12%
	Overall quality of the transportation system	Excellent		9%
		Good		37%
		Fair		31%
		Poor		23%
	Overall design or layout of residential and commercial areas	Excellent		17%
		Good		40%
		Fair		25%
		Poor		18%
	Overall quality of the utility infrastructure	Excellent		16%
		Good		47%
		Fair		23%
		Poor		13%
	Overall feeling of safety	Excellent		28%
		Good		54%
		Fair		12%
		Poor		5%
	Overall quality of natural environment	Excellent		33%
		Good		45%
		Fair		16%
		Poor		5%
	Overall quality of parks and recreation opportunities	Excellent		43%
		Good		40%
		Fair		15%

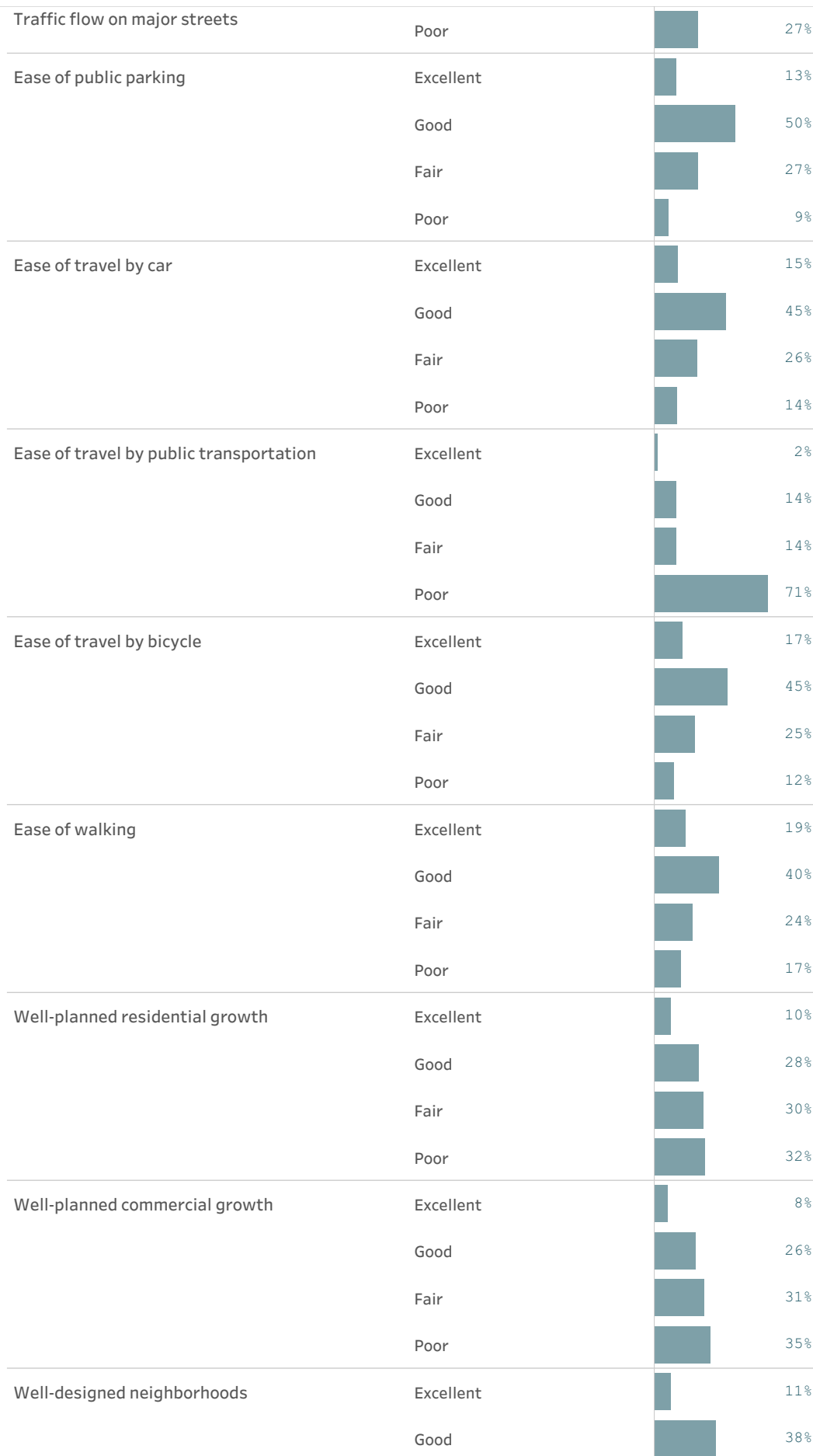
<b>Please rate each of the following characteristics as they relate to Palm Coast as a whole.</b>	Overall quality of parks and recreation opportunities	Poor		2%	
	Overall health and wellness opportunities	Excellent		28%	
		Good		44%	
		Fair		22%	
		Poor		7%	
	Overall opportunities for education, culture, and the arts	Excellent		13%	
		Good		37%	
		Fair		33%	
		Poor		17%	
	Residents' connection and engagement with their community	Excellent		13%	
		Good		39%	
		Fair		34%	
		Poor		14%	
	<b>Please indicate how likely or unlikely you are to do each of the following.</b>	Recommend living in Palm Coast to someone who asks	Very likely		45%
			Somewhat likely		35%
			Somewhat unlikely		11%
Very unlikely				8%	
Remain in Palm Coast for the next five years		Very likely		61%	
		Somewhat likely		20%	
		Somewhat unlikely		8%	
		Very unlikely		11%	
<b>Please rate how safe or unsafe you feel:</b>	In your neighborhood during the day	Very safe		67%	
		Somewhat safe		26%	
		Neither safe nor unsafe		2%	
		Somewhat unsafe		3%	
		Very unsafe		1%	
	In Palm Coast's downtown/commercial area during the day	Very safe		54%	
		Somewhat safe		36%	
		Neither safe nor unsafe		5%	
		Somewhat unsafe		4%	
		Very unsafe		0%	




































<b>Please rate each of the following in the Palm Coast community.</b>	Overall quality of business and service establishments	Excellent		15%
		Good		45%
		Fair		30%
		Poor		10%
	Variety of business and service establishments	Excellent		12%
		Good		33%
		Fair		35%
		Poor		19%
	Vibrancy of downtown/commercial area	Excellent		8%
		Good		31%
		Fair		35%
		Poor		26%
	Employment opportunities	Excellent		6%
		Good		24%
		Fair		33%
		Poor		36%
	Shopping opportunities	Excellent		10%
		Good		33%
		Fair		40%
		Poor		16%
	Cost of living	Excellent		9%
		Good		37%
		Fair		36%
		Poor		18%
	Overall image or reputation	Excellent		21%
		Good		49%
		Fair		24%
		Poor		6%
<b>Please also rate each of the following in the Palm Coast community.</b>	Traffic flow on major streets	Excellent		6%
		Good		38%
		Fair		29%

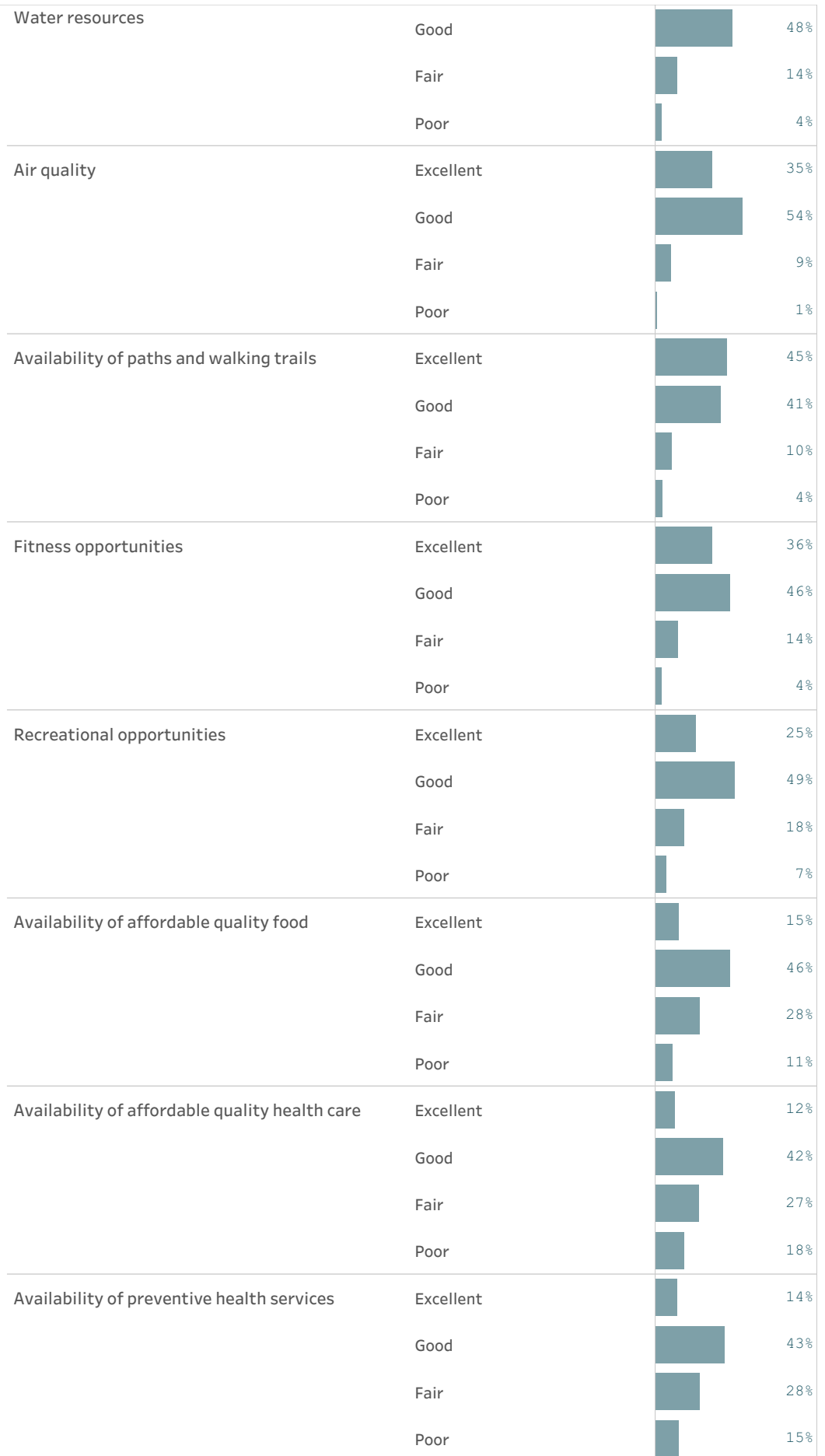
Please also rate each of the following in the Palm Coast community.



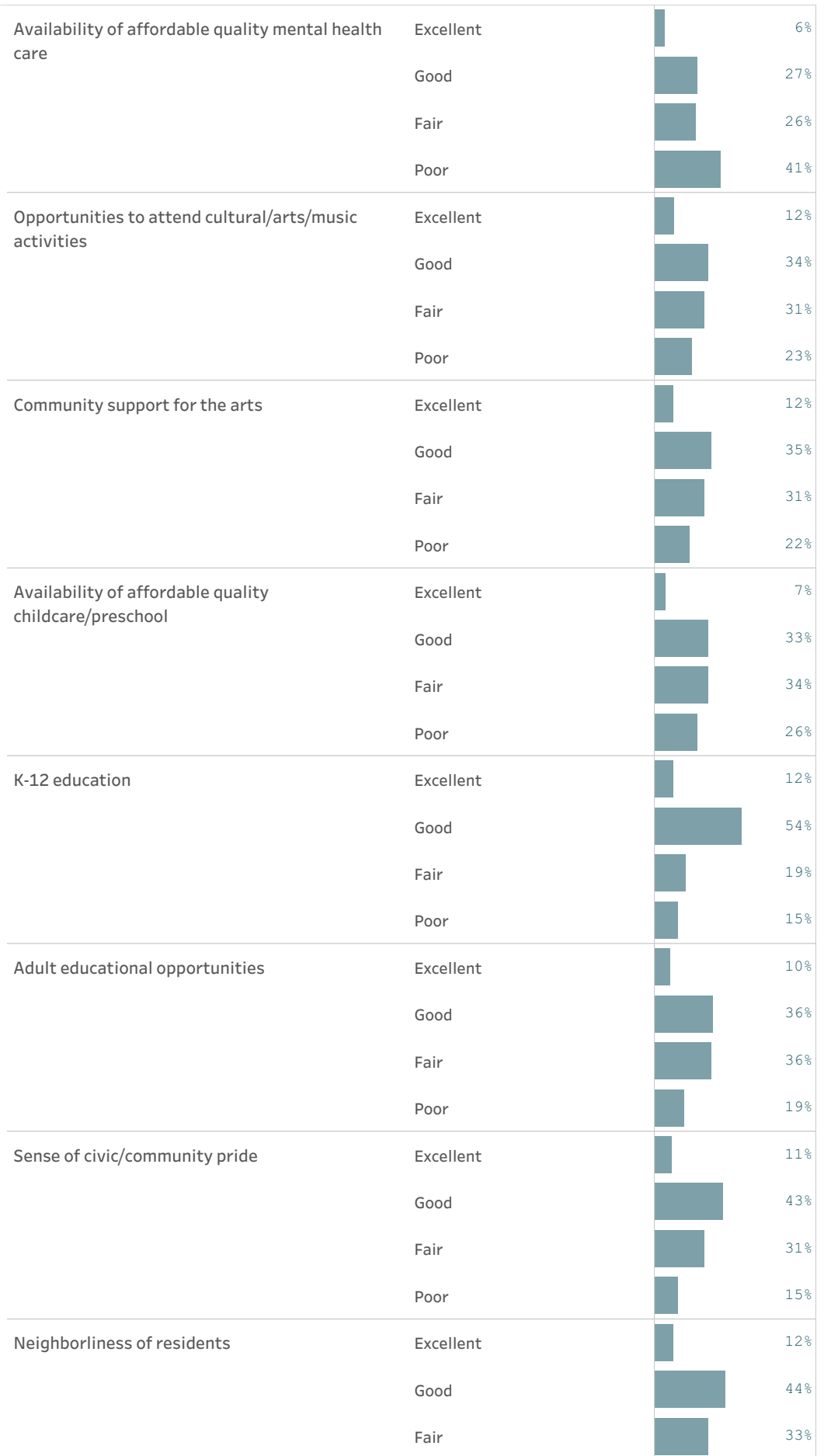
Please also rate each of the following in the Palm Coast community.			
Well-designed neighborhoods	Fair		32%
	Poor		19%
Preservation of the historical or cultural character of the community	Excellent		10%
	Good		40%
	Fair		34%
	Poor		16%
Public places where people want to spend time	Excellent		11%
	Good		40%
	Fair		33%
	Poor		15%
Variety of housing options	Excellent		8%
	Good		34%
	Fair		38%
	Poor		19%
Availability of affordable quality housing	Excellent		6%
	Good		29%
	Fair		33%
	Poor		32%
Overall quality of new development	Excellent		8%
	Good		37%
	Fair		29%
	Poor		25%
Overall appearance	Excellent		30%
	Good		47%
	Fair		18%
	Poor		5%
Cleanliness	Excellent		32%
	Good		44%
	Fair		18%
	Poor		5%
Water resources	Excellent		35%


































Please also rate each of the following in the Palm Coast community.



**Please also rate each of the following in the Palm Coast community.**



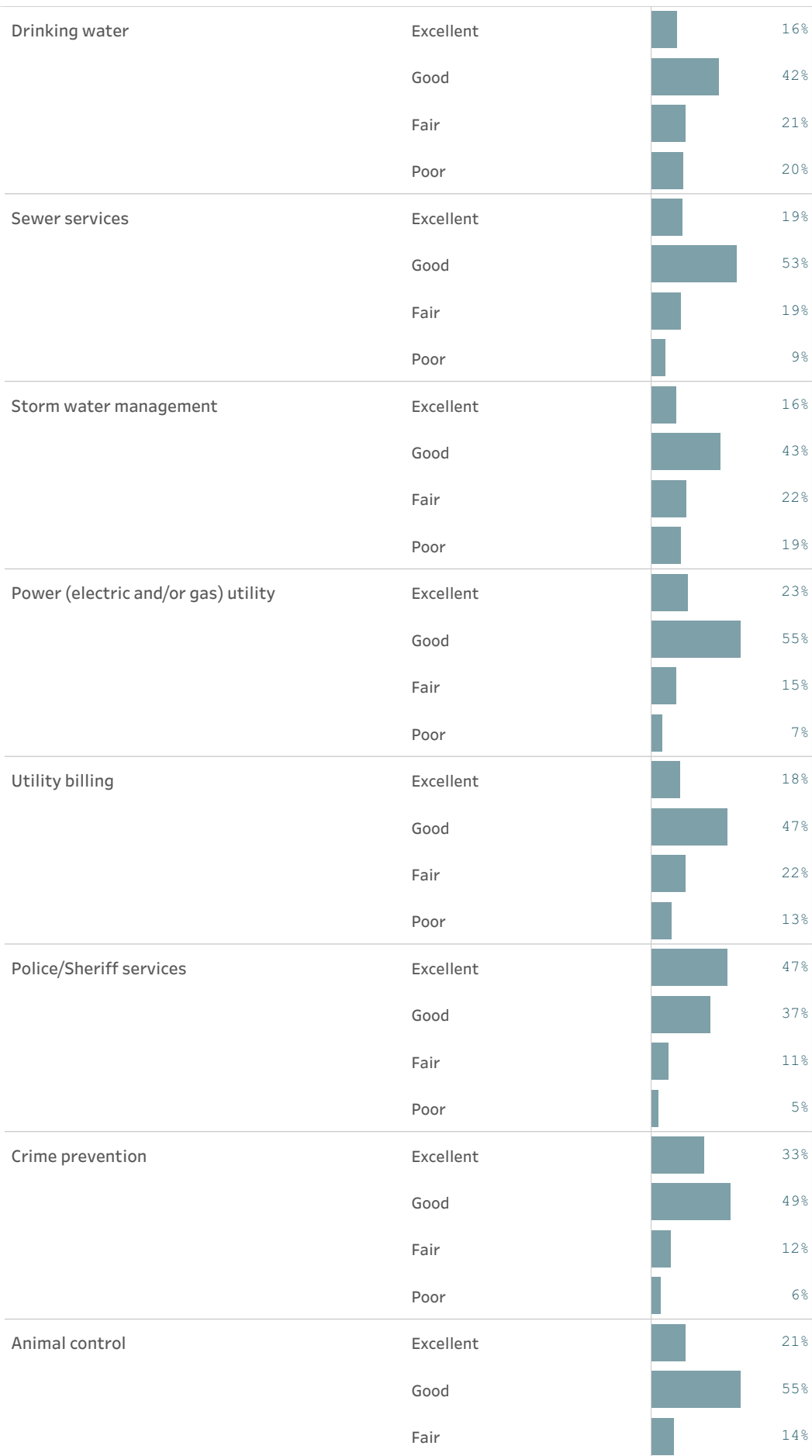
<b>Please also rate each of the following in the Palm Coast community.</b>	Neighborliness of residents	Poor		11%
	Opportunities to participate in social events and activities	Excellent		13%
		Good		43%
		Fair		34%
		Poor		9%
	Opportunities to attend special events and festivals	Excellent		15%
		Good		50%
		Fair		23%
		Poor		12%
	Opportunities to volunteer	Excellent		18%
		Good		53%
		Fair		24%
		Poor		5%
	Opportunities to participate in community matters	Excellent		14%
		Good		45%
		Fair		27%
		Poor		14%
	Openness and acceptance of the community toward people of diverse backgrounds	Excellent		14%
		Good		45%
		Fair		28%
Poor			14%	
<b>Please indicate whether or not you have done each of the following in the last 12 months.</b>	Contacted the City of Palm Coast for help or information	No		37%
		Yes		63%
	Contacted Palm Coast elected officials to express your opinion	No		79%
		Yes		21%
	Attended a local public meeting	No		76%
		Yes		24%
	Watched a local public meeting	No		67%
		Yes		33%
	Volunteered your time to some group/activity	No		67%
		Yes		33%



<b>Please indicate whether or not you have done each of the following in the last 12 months.</b>	Campaigned or advocated for a local issue, cause, or candidate	No	79%
		Yes	21%
	Voted in your most recent local election	No	22%
		Yes	78%
	Used public transportation instead of driving	No	93%
		Yes	7%
Carpooled with other adults or children instead of driving alone	No	69%	
	Yes	31%	
Walked or biked instead of driving	No	51%	
	Yes	49%	
<b>Please rate the quality of each of the following services in Palm Coast.</b>	Public information services	Excellent	16%
		Good	48%
		Fair	24%
		Poor	12%
	Economic development	Excellent	10%
		Good	34%
		Fair	34%
		Poor	22%
	Traffic enforcement	Excellent	9%
		Good	47%
		Fair	26%
		Poor	19%
Traffic signal timing	Excellent	6%	
	Good	39%	
	Fair	34%	
	Poor	21%	
Street repair	Excellent	8%	
	Good	47%	
	Fair	29%	
	Poor	15%	
Street cleaning	Excellent	15%	
































Please rate the quality of each of the following services in Palm Coast.			
Street cleaning	Good		51%
	Fair		22%
	Poor		12%
Street lighting	Excellent		10%
	Good		36%
	Fair		26%
	Poor		28%
Sidewalk maintenance	Excellent		14%
	Good		49%
	Fair		22%
	Poor		16%
Bus or transit services	Excellent		3%
	Good		18%
	Fair		13%
	Poor		67%
Land use, planning and zoning	Excellent		7%
	Good		26%
	Fair		33%
	Poor		34%
Code enforcement	Excellent		7%
	Good		35%
	Fair		29%
	Poor		28%
Affordable high-speed internet access	Excellent		10%
	Good		39%
	Fair		24%
	Poor		27%
Garbage collection	Excellent		20%
	Good		41%
	Fair		22%
	Poor		17%

Please rate the quality of each of the following services in Palm Coast.






























Please rate the quality of each of the following services in Palm Coast.			
Animal control	Poor		9%
Ambulance or emergency medical services	Excellent		46%
	Good		42%
	Fair		8%
	Poor		4%
Fire services	Excellent		49%
	Good		42%
	Fair		5%
	Poor		3%
Fire prevention and education	Excellent		30%
	Good		53%
	Fair		11%
	Poor		6%
Emergency preparedness	Excellent		26%
	Good		55%
	Fair		14%
	Poor		6%
Preservation of natural areas	Excellent		21%
	Good		39%
	Fair		22%
	Poor		18%
Palm Coast open space	Excellent		19%
	Good		39%
	Fair		26%
	Poor		16%
Recycling	Excellent		19%
	Good		45%
	Fair		18%
	Poor		18%
Yard waste pick-up	Excellent		23%
	Good		47%


































<b>Please rate the quality of each of the following services in Palm Coast.</b>	Yard waste pick-up	Fair		18%		
		Poor		12%		
City parks	Excellent	Excellent		34%		
		Good		51%		
		Fair		11%		
		Poor		4%		
		Recreation programs or classes	Excellent	Excellent		22%
				Good		40%
Fair				26%		
Poor				12%		
Recreation centers or facilities	Excellent	Excellent		23%		
		Good		44%		
		Fair		21%		
		Poor		12%		
Health services	Excellent	Excellent		15%		
		Good		45%		
		Fair		30%		
		Poor		10%		
Public library services	Excellent	Excellent		32%		
		Good		51%		
		Fair		11%		
		Poor		5%		
Overall customer service by Palm Coast employees	Excellent	Excellent		33%		
		Good		46%		
		Fair		15%		
		Poor		6%		
<b>Please rate the following categories of Palm Coast government performance.</b>	The value of services for the taxes paid to Palm Coast	Excellent		10%		
		Good		45%		
		Fair		31%		
		Poor		15%		
	The overall direction that Palm Coast is taking	Excellent		7%		






























Please rate the following categories of Palm Coast government performance.	Category	Rating	
		Percentage	Count
The overall direction that Palm Coast is taking	Good	34%	11
	Fair	33%	11
	Poor	26%	9
The job Palm Coast government does at welcoming resident involvement	Excellent	7%	2
	Good	33%	11
	Fair	35%	12
	Poor	24%	8
Overall confidence in Palm Coast government	Excellent	5%	2
	Good	32%	11
	Fair	30%	10
	Poor	33%	11
Generally acting in the best interest of the community	Excellent	6%	2
	Good	33%	11
	Fair	34%	12
	Poor	27%	9
Being honest	Excellent	7%	2
	Good	31%	10
	Fair	32%	11
	Poor	29%	10
Being open and transparent to the public	Excellent	7%	2
	Good	28%	9
	Fair	34%	12
	Poor	31%	10
Informing residents about issues facing the community	Excellent	9%	3
	Good	29%	10
	Fair	40%	14
	Poor	22%	8
Treating all residents fairly	Excellent	11%	4
	Good	37%	13
	Fair	31%	11
	Poor	22%	8

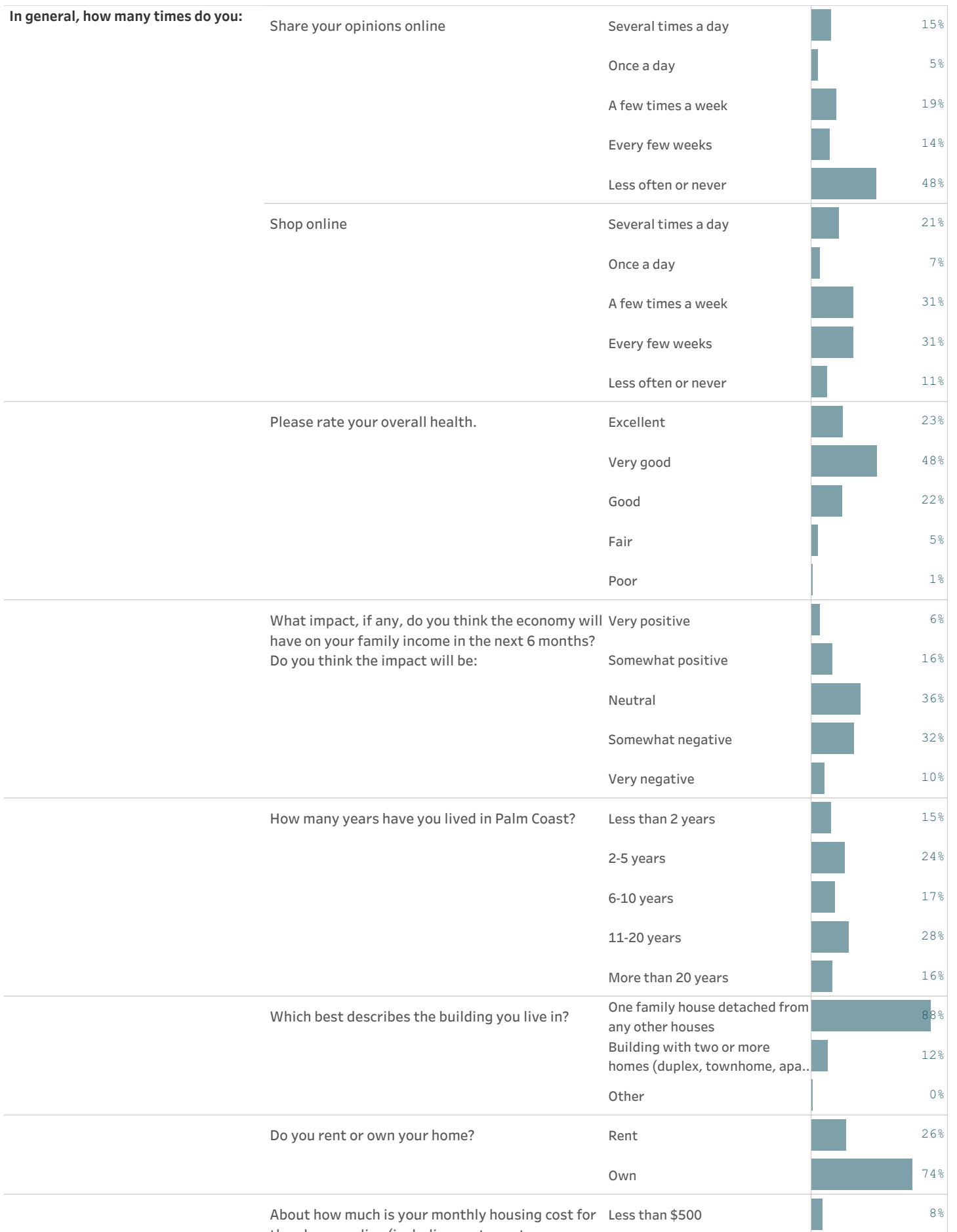
<b>Please rate the following categories of Palm Coast government performance.</b>	Treating residents with respect	Excellent		13%
		Good		42%
		Fair		27%
		Poor		18%
<b>Overall, how would you rate the quality of the services provided by each of the following?</b>	The City of Palm Coast	Excellent		18%
		Good		47%
		Fair		26%
		Poor		9%
	The Federal Government	Excellent		10%
		Good		33%
		Fair		30%
		Poor		27%
<b>Please rate how important, if at all, you think it is for the Palm Coast community to focus on each of the following in the coming two years.</b>	Overall economic health	Essential		47%
		Very important		44%
		Somewhat important		8%
		Not at all important		0%
	Overall quality of the transportation system	Essential		31%
		Very important		46%
		Somewhat important		21%
		Not at all important		3%
	Overall design or layout of residential and commercial areas	Essential		43%
		Very important		41%
		Somewhat important		15%
		Not at all important		1%
	Overall quality of the utility infrastructure	Essential		57%
		Very important		35%
		Somewhat important		8%
		Not at all important		0%
Overall feeling of safety	Essential		56%	
	Very important		38%	
	Somewhat important		6%	

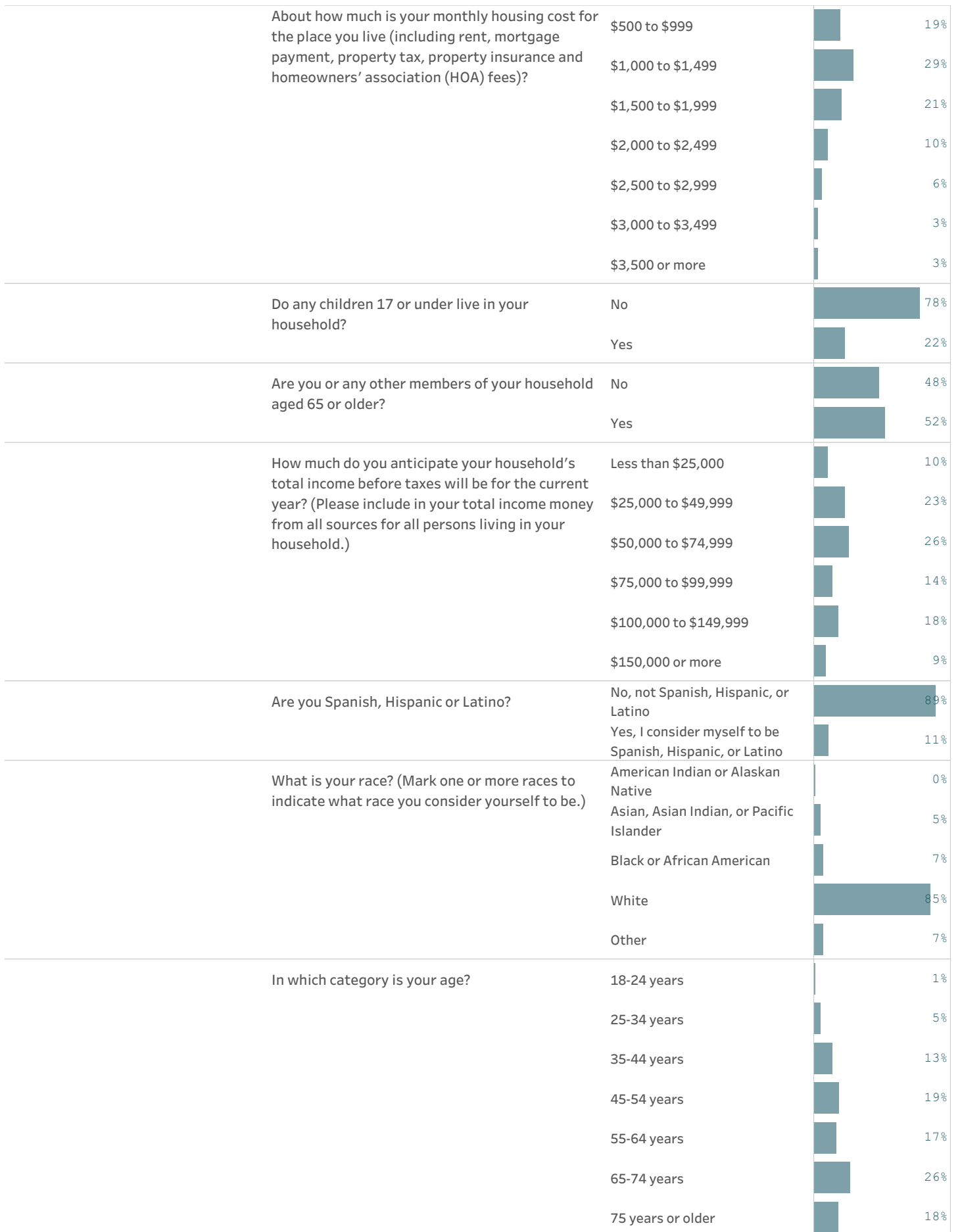
<b>Please rate how important, if at all, you think it is for the Palm Coast community to focus on each of the following in the coming two years.</b>	Overall feeling of safety	Not at all important		0%
	Overall quality of natural environment	Essential		41%
		Very important		47%
		Somewhat important		12%
		Not at all important		0%
	Overall quality of parks and recreation opportunities	Essential		30%
		Very important		50%
		Somewhat important		19%
		Not at all important		0%
	Overall health and wellness opportunities	Essential		37%
		Very important		50%
		Somewhat important		13%
		Not at all important		0%
Overall opportunities for education, culture, and the arts	Essential		29%	
	Very important		48%	
	Somewhat important		20%	
	Not at all important		2%	
Residents' connection and engagement with their community	Essential		25%	
	Very important		47%	
	Somewhat important		25%	
	Not at all important		4%	
<b>Please rate the quality of each of the following in Palm Coast.</b>	Condition of neighborhood streets	Excellent		15%
		Good		57%
		Fair		22%
		Poor		5%
	Condition of major streets	Excellent		24%
		Good		58%
		Fair		15%
		Poor		4%
	Condition of street signs	Excellent		25%
		Good		60%



<b>Please rate the quality of each of the following in Palm Coast.</b>	Condition of street signs	Fair		12%
		Poor		4%
	Condition of pavement markings on city streets	Excellent		19%
		Good		58%
		Fair		18%
		Poor		5%
<b>How important, if at all, is it for the City of Palm Coast to do each of the following?</b>	Develop additional medians	Essential		11%
		Very important		25%
		Somewhat important		37%
		Not at all important		27%
	Improve or add turn lanes	Essential		20%
		Very important		41%
		Somewhat important		32%
		Not at all important		6%
	Improve signal timing	Essential		30%
		Very important		36%
		Somewhat important		22%
		Not at all important		12%
	Add new traffic signals on main roads	Essential		18%
		Very important		32%
		Somewhat important		28%
		Not at all important		22%
	Make sure there is a complete network of sidewalks	Essential		40%
		Very important		38%
		Somewhat important		17%
		Not at all important		5%
	Build more pedestrian bridges or tunnels	Essential		18%
		Very important		24%
		Somewhat important		34%
		Not at all important		25%
Enhance pedestrian/bike connectivity to nearby residential areas	Essential		27%	

<b>How important, if at all, is it for the City of Palm Coast to do each of the following?</b>	Enhance pedestrian/bike connectivity to nearby residential areas	Very important		29%
		Somewhat important		34%
		Not at all important		10%
	Swales are the broad, shallow channels along roads, driveways and parking lots and are a key part of the City's storm drainage system. Please rate the quality of the storm water swale system in Palm Coast.	Excellent		15%
		Good		31%
		Fair		30%
		Poor		24%
	Over time, sediment, mud, trash, and other debris collect at the bottom of canals. Dredging helps in maintaining the health, function, recreational enjoyment, and quality of a canal; however, dredging can also be costly and potentially disruptive of the natural environment. How much do you support or oppose the City of Palm Coast i..	Strongly support		36%
		Somewhat support		45%
		Somewhat oppose		13%
		Strongly oppose		6%
<b>In general, how many times do you:</b>	Access the internet from your home	Several times a day		86%
		Once a day		5%
		A few times a week		4%
		Every few weeks		2%
		Less often or never		3%
	Access the internet from your cell phone	Several times a day		84%
		Once a day		3%
		A few times a week		5%
		Every few weeks		2%
		Less often or never		8%
	Visit social media sites	Several times a day		55%
		Once a day		12%
		A few times a week		10%
		Every few weeks		4%
		Less often or never		19%
	Use or check email	Several times a day		80%
		Once a day		15%
		A few times a week		4%
		Every few weeks		0%
Less often or never			1%	







What is your gender?

Female



55%

Male



45%

## Full trends

This table contains the trends over time for the City of Palm Coast. The combined “percent positive” responses for each survey year are presented (e.g., excellent/good or yes). If an item was not included during an administration of the survey, no percentage will be shown in the table. If the difference between the 2019 and 2021 surveys is greater than 7 percentage points, the change is statistically significant.

It is important to note that in 2020, The NCS survey was updated to include new and refreshed items. Consequently, some of the trends may be impacted due to wording modifications that could have potentially altered the meaning of the item for the respondent.

		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2017	2019	2021	
<b>Please rate each of the following aspects of quality of life in Palm Coast.</b>	Palm Coast as a place to live	86%	86%	83%	80%	77%	80%	79%	85%	78%	80%	84%	80%	84%	79%	86%	83%		
	Your neighborhood as a place to live	86%	88%	86%	86%	80%	81%	78%	82%	78%	82%	83%	85%	83%	80%	87%	87%		
	Palm Coast as a place to raise children	69%	72%	70%	66%	60%	61%	60%	73%	63%	71%	73%	68%	72%	74%	74%	75%		
	Palm Coast as a place to work			24%	20%	16%	16%	20%	21%	15%	16%	18%	18%	19%	26%	28%	35%		
	Palm Coast as a place to visit											63%	60%	74%	63%	67%	63%		
	Palm Coast as a place to retire	84%	81%	78%	71%	76%	78%	73%	78%	75%	78%	80%	79%	82%	80%	87%	81%		
	The overall quality of life	82%	82%	75%	73%	71%	73%	74%	75%	67%	70%	75%	73%	77%	75%	82%	77%		
	Sense of community	59%						58%	62%	56%	64%	46%	47%	49%	50%	58%	60%		
<b>Please rate each of the following characteristics as they relate to Palm Coast as a whole.</b>	Overall economic health												36%	37%	46%	48%	50%	64%	
	Overall quality of the transportation system																	46%	
	Overall design or layout of residential and commercial areas												62%	64%	63%	57%	65%	57%	
	Overall quality of the utility infrastructure																	63%	
	Overall feeling of safety												70%	76%	77%	72%	79%	82%	
	Overall quality of natural environment						71%	69%	80%	82%	81%	87%	87%	84%	85%	86%	79%		
	Overall quality of parks and recreation opportunities																	82%	
	Overall health and wellness opportunities													67%	64%	70%	68%	72%	71%
	Overall opportunities for education, culture, and the arts													58%	54%	48%	50%	51%	50%
	Residents’ connection and engagement with their community																		52%
<b>Please indicate how likely or unlikely you are to do each of the following.</b>	Recommend living in Palm Coast to someone who asks							80%	82%	85%	78%	80%	82%	80%	85%	84%	85%	81%	
	Remain in Palm Coast for the next five years							83%	84%	85%	83%	82%	83%	85%	83%	86%	88%	81%	
<b>Please rate how safe or unsafe you feel:</b>	In your neighborhood during the day	96%	94%	94%	92%	93%	92%	90%	93%	91%	93%	88%	92%	88%	90%	95%	94%		
	In Palm Coast’s downtown/commercial area during the day	93%	91%	91%	88%	90%	88%	90%	89%	88%	88%	82%	89%	87%	83%	91%	90%		
	From property crime	64%	62%	65%	53%	51%	56%	51%	59%	52%	55%							81%	
	From violent crime	79%	76%	73%	71%	68%	73%	71%	73%	71%	75%							84%	
	From fire, flood, or other natural disaster																	79%	
<b>Please rate the job you feel the Palm Coast community does at each of the following.</b>	Making all residents feel welcome																	67%	
	Attracting people from diverse backgrounds																	69%	
	Valuing/respecting residents from diverse backgrounds																	70%	
	Taking care of vulnerable residents																	55%	
<b>Please rate each of the following in the Palm Coast community.</b>	Overall quality of business and service establishments							45%	52%	52%	48%	49%	56%	44%	47%	50%	58%	60%	
	Variety of business and service establishments																	46%	
	Vibrancy of downtown/commercial area												32%	25%	31%	26%	32%	39%	
	Employment opportunities	8%	9%	7%	7%	6%	9%	6%	9%	5%	11%	13%	6%	8%	15%	20%	30%		
	Shopping opportunities	23%	27%	22%	22%	25%	30%	49%	47%	43%	43%	43%	36%	43%	49%	55%	44%		
	Cost of living												45%	37%	47%	40%	51%	46%	

<b>Please rate each of the following in the Palm Coast community.</b>	Overall image or reputation	70%	77%	71%	69%	67%	66%	67%	61%	76%	70%							
<b>Please also rate each of the following in the Palm Coast community.</b>	Traffic flow on major streets	11%	12%	25%	32%	41%	44%	50%	60%	56%	47%	41%	55%	55%	44%			
	Ease of public parking									74%	71%	70%	71%	70%	64%			
	Ease of travel by car	51%	22%	16%	20%	39%	41%	50%	62%	57%	71%	69%	62%	58%	67%	73%	59%	
	Ease of travel by public transportation												16%	18%	15%	15%		
	Ease of travel by bicycle	43%	46%	33%	42%	45%	45%	49%	54%	65%	69%	64%	70%	60%	58%	65%	63%	
	Ease of walking	44%	44%	36%	42%	45%	46%	49%	52%	58%	65%	68%	66%	62%	54%	70%	60%	
	Well-planned residential growth																38%	
	Well-planned commercial growth																34%	
	Well-designed neighborhoods																48%	
	Preservation of the historical or cultural character of the community																50%	
	Public places where people want to spend time												60%	65%	68%	61%	71%	51%
	Variety of housing options						64%	67%	64%	59%	59%	63%	70%	64%	58%	47%	42%	
	Availability of affordable quality housing		54%	39%	33%	41%	53%	58%	61%	58%	67%	64%	59%	55%	45%	40%	34%	
	Overall quality of new development			48%	47%	53%	63%	61%	63%	56%	53%	42%	41%	51%	45%	44%	45%	
	Overall appearance	75%	83%	85%	80%	83%	82%	86%	83%	83%	85%	85%	84%	89%	88%	89%	77%	
	Cleanliness							85%	83%	83%	87%	85%	85%	89%	83%	84%	77%	
	Water resources																83%	
	Air quality						79%	83%	79%	83%	83%	85%	91%	87%	89%	89%		
	Availability of paths and walking trails						49%	53%	61%	70%	73%	78%	81%	80%	74%	83%	86%	
	Fitness opportunities												82%	79%	74%	75%	76%	82%
	Recreational opportunities	38%	35%	35%	29%	37%	41%	51%	53%	52%	58%	69%	67%	64%	60%	64%	75%	
	Availability of affordable quality food						56%	56%		60%	55%	58%	64%	51%	58%	66%	70%	61%
	Availability of affordable quality health care		44%	41%	42%	42%	37%	46%	49%	45%	56%	60%	55%	59%	62%	61%	54%	
	Availability of preventive health services						43%	47%	56%	53%	60%	58%	56%	58%	65%	62%	57%	
	Availability of affordable quality mental health care												44%	31%	36%	34%	33%	
	Opportunities to attend cultural/arts/music activities	40%								44%	40%	43%	49%	41%	45%	41%	46%	46%
	Community support for the arts																47%	
	Availability of affordable quality childcare/preschool		32%	24%	30%	27%	27%	32%	44%	30%	45%	63%	44%	50%	62%	35%	40%	
	K-12 education										65%	73%	64%	60%	70%	68%	64%	66%
	Adult educational opportunities												58%	48%	45%	42%	49%	46%
	Sense of civic/community pride																54%	
	Neighborliness of residents												52%	53%	56%	57%	58%	55%
Opportunities to participate in social events and activities							56%	55%	53%	54%	48%	46%	55%	48%	54%	56%		
Opportunities to attend special events and festivals												58%	66%	68%	62%	62%	65%	
Opportunities to volunteer								76%	74%	71%	73%	66%	67%	70%	73%	70%	71%	
Opportunities to participate in community matters							52%	61%	60%	51%	61%	55%	52%	60%	56%	62%	59%	
Openness and acceptance of the community toward people of diver..									75%	65%	68%	62%	65%	60%	65%	59%	58%	
<b>Please indicate whether or not you have done each of the following in the last 12 months.</b>	Contacted the City of Palm Coast for help or information	55%	59%	58%	65%	59%	63%	58%	59%	60%	52%	57%	49%	53%	54%	58%	54%	63%
	Contacted Palm Coast elected officials to express your opinion												18%	16%	17%	20%	16%	21%
	Attended a local public meeting	41%	37%	33%	39%	34%	32%	35%	32%		31%	37%	17%	22%	19%	19%	17%	24%

<b>Please indicate whether or not you have done each of the following in the last 12 months.</b>	Watched a local public meeting	50% 44% 44% 44% 44% 51% 50% 47%	40% 38% 28% 18% 21% 21% 21% 33%
	Volunteered your time to some group/activity	51% 48%	55% 46% 45% 37% 38% 33% 36% 40% 33%
	Campaigned or advocated for a local issue, cause, or candidate		22% 20% 19% 24% 23% 21%
	Voted in your most recent local election	79% 78% 70% 84% 76% 76% 69% 89% 81% 78% 82%	78%
	Used public transportation instead of driving		4% 3% 5% 3% 3% 7%
	Carpooled with other adults or children instead of driving alone		30% 34% 33% 30% 35% 31%
	Walked or biked instead of driving		42% 46% 40% 41% 39% 48%
<b>Please rate the quality of each of the following services in Palm Coast.</b>	Public information services	36%	44% 39% 47% 46% 53% 55% 64% 68% 59% 62% 64% 57% 64% 64%
	Economic development		29% 35% 32% 29% 32% 33% 34% 31% 30% 34% 30% 38% 34% 43% 44%
	Traffic enforcement	56%	55% 50% 50% 57% 57% 61% 65% 63% 65% 57% 55% 60% 61% 66% 56%
	Traffic signal timing	46%	35% 28% 33% 39% 45% 46% 46% 43% 52% 39% 35% 42% 42% 46% 45%
	Street repair	16%	34% 31% 37% 43% 52% 62% 55% 68% 70% 64% 63% 61% 54% 54% 55%
	Street cleaning	27%	44% 40% 45% 48% 59% 71% 62% 70% 71% 67% 69% 66% 60% 61% 66%
	Street lighting		24% 20% 26% 30% 32% 38% 36% 37% 46% 41% 45% 37% 28% 34% 46%
	Sidewalk maintenance	35%	43% 43% 45% 49% 51% 52% 57% 65% 68% 70% 66% 65% 48% 57% 63%
	Bus or transit services	17%	22% 26% 19% 20%
	Land use, planning and zoning	27%	33% 30% 27% 32% 41% 42% 46% 42% 39% 41% 50% 46% 47% 46% 33%
	Code enforcement	37%	44% 45% 42% 44% 43% 50% 50% 47% 55% 43% 49% 45% 44% 50% 42%
	Affordable high-speed internet access		49%
	Garbage collection	83%	86% 87% 82% 85% 86% 86% 89% 90% 93% 90% 87% 87% 71% 79% 61%
	Drinking water	55%	55% 52% 55% 53% 56% 58% 66% 65% 65% 56% 60% 58% 53% 58% 58%
	Sewer services	68%	88% 64% 63% 64% 69% 72% 73% 76% 81% 65% 73% 73% 65% 73% 72%
	Storm water management	40%	35% 29% 32% 40% 46% 49% 43% 57% 56% 43% 51% 54% 35% 55% 59%
	Power (electric and/or gas) utility		71% 70% 76% 78%
	Utility billing		62% 57% 61% 68% 64% 65%
	Police/Sheriff services	81%	79% 81% 77% 70% 69% 78% 79% 80% 80% 77% 80% 72% 82% 88% 84%
	Crime prevention	70%	69% 62% 65% 60% 55% 60% 64% 79% 82%
	Animal control		55% 61% 64% 57% 65% 67% 57% 60% 58% 64% 76%
	Ambulance or emergency medical services	90%	92% 94% 87% 86% 88% 92% 92% 88% 96% 91% 91% 81% 90% 93% 88%
	Fire services	91%	94% 95% 90% 90% 90% 94% 95% 92% 96% 94% 93% 88% 96% 95% 92%
	Fire prevention and education	76%	73% 71% 76% 75% 78% 79% 75% 82% 79% 70% 69% 74% 84% 83%
	Emergency preparedness		61% 71% 73% 69% 73% 68% 68% 73% 72% 81% 81%
	Preservation of natural areas		56% 66% 70% 66% 75% 70% 65% 71% 66% 70% 60%
	Palm Coast open space		72% 61% 63% 67% 67% 58%
	Recycling	83%	79% 84% 80% 81% 84% 87% 86% 83% 90% 89% 87% 87% 71% 80% 64%
	Yard waste pick-up		84% 87% 90% 86% 86% 83% 52% 76% 70%
	City parks	69%	73% 70% 68% 72% 76% 78% 80% 82% 85% 77% 83% 80% 81% 86% 85%
	Recreation programs or classes		70% 62% 58% 68% 66% 70% 70% 66% 73% 63% 63% 61% 58% 65% 62%
	Recreation centers or facilities	52%	59% 51% 50% 56% 62% 66% 65% 65% 68% 63% 61% 53% 48% 67% 67%
Health services	56%	57% 52% 48% 47% 51% 57% 62% 55% 66% 57% 53% 62% 65% 65% 60%	
Public library services		80% 80% 80% 84% 84% 86% 86% 84%	



<b>the following services in Palm Coast.</b>	Overall customer service by Palm Coast employees	65%	71%	65%	68%	66%	70%	74%	79%	77%	68%	66%	67%	69%	69%	78%	79%			
<b>Please rate the following categories of Palm Coast government performance.</b>	The value of services for the taxes paid to Palm Coast	52%	58%	59%	52%	48%	49%	56%	53%	54%	50%	54%	46%	57%	46%	56%	54%			
	The overall direction that Palm Coast is taking	44%	54%	47%	44%	50%	53%	55%	58%	50%	48%	46%	47%	57%	49%	53%	41%			
	The job Palm Coast government does at welcoming resident involv..	56%	61%	49%	46%	50%	42%	47%	48%	45%	39%	48%	38%	45%	41%	43%	40%			
	Overall confidence in Palm Coast government													39%	35%	44%	40%	45%	37%	
	Generally acting in the best interest of the community													45%	40%	44%	42%	51%	39%	
	Being honest													43%	39%	42%	36%	50%	39%	
	Being open and transparent to the public																		35%	
	Informing residents about issues facing the community																			39%
	Treating all residents fairly														47%	42%	46%	43%	53%	48%
	Treating residents with respect																			56%
<b>Overall, how would you rate the quality of the services provided by each of the following?</b>	The City of Palm Coast	55%	67%	59%	55%	59%	66%	74%	69%	71%	67%	66%	71%	67%	61%	75%	64%			
	The Federal Government	44%	43%	43%	38%	38%	34%	42%	37%	35%	41%	30%	36%	37%	41%	46%	43%			
<b>Please rate how important, if at all, you think it is for the Palm Coast community to focus on each of the following in the coming two years.</b>	Overall economic health													94%	91%	90%	91%	91%		
	Overall quality of the transportation system																	77%		
	Overall design or layout of residential and commercial areas													74%	83%	76%	81%	84%		
	Overall quality of the utility infrastructure																	92%		
	Overall feeling of safety													97%	90%	96%	94%	94%		
	Overall quality of natural environment													83%	78%	74%	86%	88%		
	Overall quality of parks and recreation opportunities																		81%	
	Overall health and wellness opportunities													84%	84%	80%	81%	87%		
	Overall opportunities for education, culture, and the arts													81%	80%	81%	75%	78%		
	Residents' connection and engagement with their community													84%	82%	79%	81%	72%		
<b>In general, how many times do you:</b>	Access the internet from your home																		95%	
	Access the internet from your cell phone																		91%	
	Visit social media sites																		77%	
	Use or check email																		99%	
	Share your opinions online																		39%	
	Shop online																		58%	
	Please rate your overall health.													59%	58%	54%	60%	55%	71%	
What impact, if any, do you think the economy will have on your fa..	19%	15%	31%	25%	20%	18%	11%	12%	16%	13%	18%	15%	23%	21%	36%	30%	22%			

## Methods (open participation)

As part of its participation in The National Community Survey™ (The NCST™), the City of Palm Coast conducted a survey of 497 residents. Survey invitations were mailed to randomly selected households and data were collected from January 7th, 2022 to January 21st, 2022. The results from this main survey effort represent the most robust estimate of your residents’ opinions.

After the above data collection period was underway, a link to an online open participation survey was publicized by the City of Palm Coast. The open participation survey was identical to the probability sample survey with two small updates; it included a map at the beginning asking where the respondent lives and also a question about where they heard about the survey. The open participation survey was open to all city residents and became available on January 7th, 2022. The survey remained open for 2 weeks and there were 3,690 responses.

The open participation survey data were not collected through a random sample and it is unknown who in the community was aware of the survey; therefore, a level of confidence in the representativeness of the sample cannot be estimated. However, to reduce bias where possible, these data were statistically weighted to match the demographic characteristics of the 2010 Census and 2019 American Community Survey estimates for adults in the City of Palm Coast. The characteristics used for weighting were age, sex, race, Hispanic origin, housing type, housing tenure, and area. No adjustments were made for design effects. Weights were calculated using an iterative, multiplicative raking model known as the ANES Weighting Algorithm.\* The results of the weighting scheme for the open participation survey are presented in the following table.

\* Pasek, J. (2010). ANES Weighting Algorithm. Retrieved from <https://web.stanford.edu/group/iriss/cgi-bin/anesrake/resources/RakingDescription.pdf>

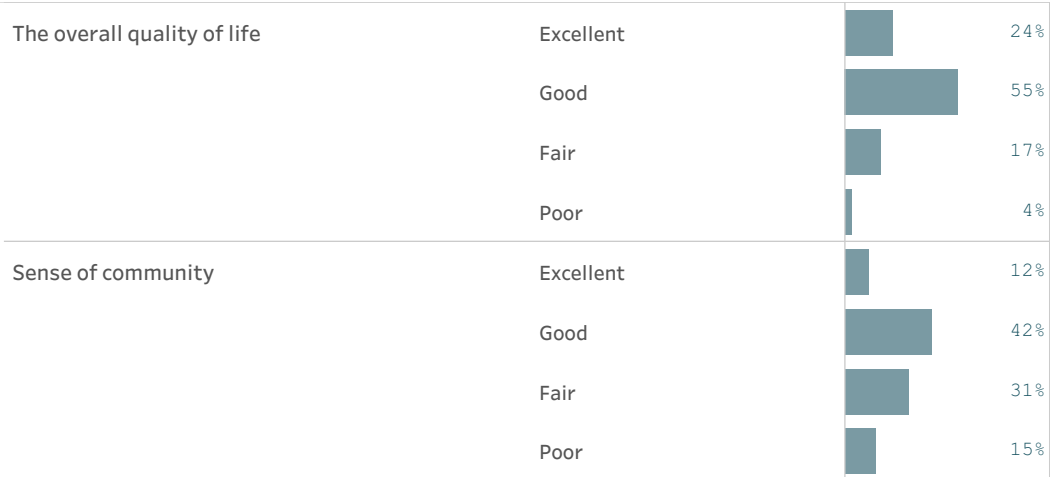
		Unweighted	Weighted	Target*
Age	18-34	2%	12%	20%
	35-54	19%	30%	27%
	55+	79%	58%	53%
Area	1	23%	22%	23%
	2	27%	27%	26%
	3	26%	29%	29%
	4	24%	22%	22%
Hispanic origin	No, not Spanish, Hispanic, or Latino	94%	89%	89%
	Yes, I consider myself to be Spanish, Hispana..	6%	11%	11%
Housing tenure	Own	93%	74%	74%
	Rent	7%	26%	26%
Housing type	Attached	6%	12%	12%
	Detached	94%	88%	88%
Race & Hispanic origin	Not white alone	18%	27%	27%
	White alone, not Hispanic or Latino	82%	73%	73%
Sex	Female	53%	55%	53%
	Male	47%	45%	47%
Sex/age	Female 18-34	2%	8%	10%
	Female 35-54	12%	16%	14%
	Female 55+	40%	31%	28%
	Male 18-34	1%	4%	10%
	Male 35-54	7%	14%	13%
	Male 55+	39%	27%	24%

## Open participation survey results

This dashboard contains a complete set of responses to each question on the open participation survey. By default, "don't know" responses are excluded, but may be added to the table using the response filter to the right. When a table for a question that only permitted a single response does not total to exactly 100%, it is due to the common practice of percentages being rounded to the nearest whole number.

	In which district of Palm Coast do you live? (Refer to District 1 (red) map above.)		22%
		District 2 (blue)	27%
		District 3 (yellow)	29%
		District 4 (pink)	22%
<b>Please rate each of the following aspects of quality of life in Palm Coast.</b>	Palm Coast as a place to live	Excellent	28%
		Good	54%
		Fair	15%
		Poor	3%
	Your neighborhood as a place to live	Excellent	41%
		Good	45%
		Fair	13%
		Poor	2%
	Palm Coast as a place to raise children	Excellent	19%
		Good	49%
		Fair	24%
		Poor	8%
	Palm Coast as a place to work	Excellent	7%
		Good	21%
		Fair	32%
		Poor	40%
	Palm Coast as a place to visit	Excellent	23%
		Good	42%
		Fair	25%
		Poor	10%
	Palm Coast as a place to retire	Excellent	38%
		Good	43%
		Fair	14%
		Poor	5%

**Please rate each of the following aspects of quality of life in Palm Coast.**



































**Please rate each of the following characteristics as they relate to Palm Coast as a whole.**





<b>Please rate each of the following characteristics as they relate to Palm Coast as a whole.</b>	Overall quality of parks and recreation opportunities	Excellent		35%
		Good		48%
		Fair		13%
		Poor		4%
	Overall health and wellness opportunities	Excellent		20%
		Good		46%
		Fair		26%
		Poor		8%
	Overall opportunities for education, culture, and the arts	Excellent		7%
		Good		34%
		Fair		41%
		Poor		19%
	Residents' connection and engagement with their community	Excellent		6%
		Good		38%
		Fair		41%
		Poor		15%
<b>Please indicate how likely or unlikely you are to do each of the following.</b>	Recommend living in Palm Coast to someone who asks	Very likely		37%
		Somewhat likely		40%
		Somewhat unlikely		12%
		Very unlikely		10%
	Remain in Palm Coast for the next five years	Very likely		57%
		Somewhat likely		25%
		Somewhat unlikely		9%
		Very unlikely		9%
<b>Please rate how safe or unsafe you feel:</b>	In your neighborhood during the day	Very safe		68%
		Somewhat safe		25%
		Neither safe nor unsafe		4%
		Somewhat unsafe		2%
		Very unsafe		1%
	In Palm Coast's downtown/commercial area during the day	Very safe		54%
		Somewhat safe		34%
		Neither safe nor unsafe		9%

<b>Please rate how safe or unsafe you feel:</b>	In Palm Coast's downtown/commercial area during the day	Somewhat unsafe		2%
		Very unsafe		1%
	From property crime	Very safe		33%
		Somewhat safe		45%
		Neither safe nor unsafe		11%
		Somewhat unsafe		8%
		Very unsafe		2%
	From violent crime	Very safe		44%
		Somewhat safe		39%
		Neither safe nor unsafe		10%
		Somewhat unsafe		5%
		Very unsafe		2%
	From fire, flood, or other natural disaster	Very safe		27%
		Somewhat safe		48%
		Neither safe nor unsafe		17%
Somewhat unsafe			7%	
Very unsafe			1%	
<b>Please rate the job you feel the Palm Coast community does at each of the following.</b>	Making all residents feel welcome	Excellent		15%
		Good		44%
		Fair		27%
		Poor		13%
	Attracting people from diverse backgrounds	Excellent		17%
		Good		42%
		Fair		26%
		Poor		15%
	Valuing/respecting residents from diverse backgrounds	Excellent		18%
		Good		42%
		Fair		25%
		Poor		15%
	Taking care of vulnerable residents	Excellent		11%
		Good		34%
		Fair		31%

<b>Coast community does at each of the following.</b>	Taking care of vulnerable residents	Poor		23%
	<b>Please rate each of the following in the Palm Coast community.</b>	Overall quality of business and service establishments	Excellent	
Good				47%
Fair				33%
Poor				12%
Variety of business and service establishments	Excellent		7%	
	Good		35%	
	Fair		37%	
	Poor		21%	
Vibrancy of downtown/commercial area	Excellent		4%	
	Good		29%	
	Fair		39%	
	Poor		28%	
Employment opportunities	Excellent		4%	
	Good		14%	
	Fair		34%	
	Poor		48%	
Shopping opportunities	Excellent		7%	
	Good		33%	
	Fair		39%	
	Poor		21%	
Cost of living	Excellent		6%	
	Good		34%	
	Fair		38%	
	Poor		22%	
Overall image or reputation	Excellent		16%	
	Good		52%	
	Fair		25%	
	Poor		7%	
<b>Please also rate each of the following in the Palm Coast community.</b>	Traffic flow on major streets	Excellent		5%
		Good		28%
		Fair		35%

Please also rate each of the following in the Palm Coast community.

Traffic flow on major streets	Poor		32%
Ease of public parking	Excellent		14%
	Good		44%
	Fair		29%
	Poor		13%
Ease of travel by car	Excellent		12%
	Good		44%
	Fair		30%
	Poor		14%
Ease of travel by public transportation	Excellent		1%
	Good		5%
	Fair		17%
	Poor		77%
Ease of travel by bicycle	Excellent		21%
	Good		44%
	Fair		24%
	Poor		10%
Ease of walking	Excellent		20%
	Good		39%
	Fair		24%
	Poor		17%
Well-planned residential growth	Excellent		6%
	Good		27%
	Fair		28%
	Poor		38%
Well-planned commercial growth	Excellent		3%
	Good		22%
	Fair		33%
	Poor		42%
Well-designed neighborhoods	Excellent		9%
	Good		39%
	Fair		35%

































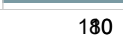

Please also rate each of the following in the Palm Coast community.				
Well-designed neighborhoods	Poor		17%	
	Excellent		9%	
Preservation of the historical or cultural character of the community	Good		37%	
	Fair		32%	
	Poor		22%	
	Excellent		10%	
Public places where people want to spend time	Good		40%	
	Fair		32%	
	Poor		18%	
	Excellent		8%	
Variety of housing options	Good		34%	
	Fair		34%	
	Poor		24%	
	Excellent		6%	
Availability of affordable quality housing	Good		24%	
	Fair		31%	
	Poor		39%	
	Excellent		6%	
Overall quality of new development	Good		31%	
	Fair		37%	
	Poor		27%	
	Excellent		24%	
Overall appearance	Good		52%	
	Fair		20%	
	Poor		4%	
	Excellent		29%	
Cleanliness	Good		48%	
	Fair		18%	
	Poor		5%	
	Excellent		36%	
Water resources	Good		46%	
	Fair		14%	

Please also rate each of the following in the Palm Coast community.

































Water resources	Poor		4%
Air quality	Excellent		37%
	Good		52%
	Fair		10%
	Poor		1%
Availability of paths and walking trails	Excellent		49%
	Good		38%
	Fair		10%
	Poor		3%
Fitness opportunities	Excellent		33%
	Good		46%
	Fair		16%
	Poor		4%
Recreational opportunities	Excellent		25%
	Good		43%
	Fair		24%
	Poor		8%
Availability of affordable quality food	Excellent		11%
	Good		42%
	Fair		35%
	Poor		12%
Availability of affordable quality health care	Excellent		11%
	Good		38%
	Fair		32%
	Poor		19%
Availability of preventive health services	Excellent		11%
	Good		41%
	Fair		33%
	Poor		16%
Availability of affordable quality mental health care	Excellent		5%
	Good		19%
	Fair		28%

Please also rate each of the following in the Palm Coast community.

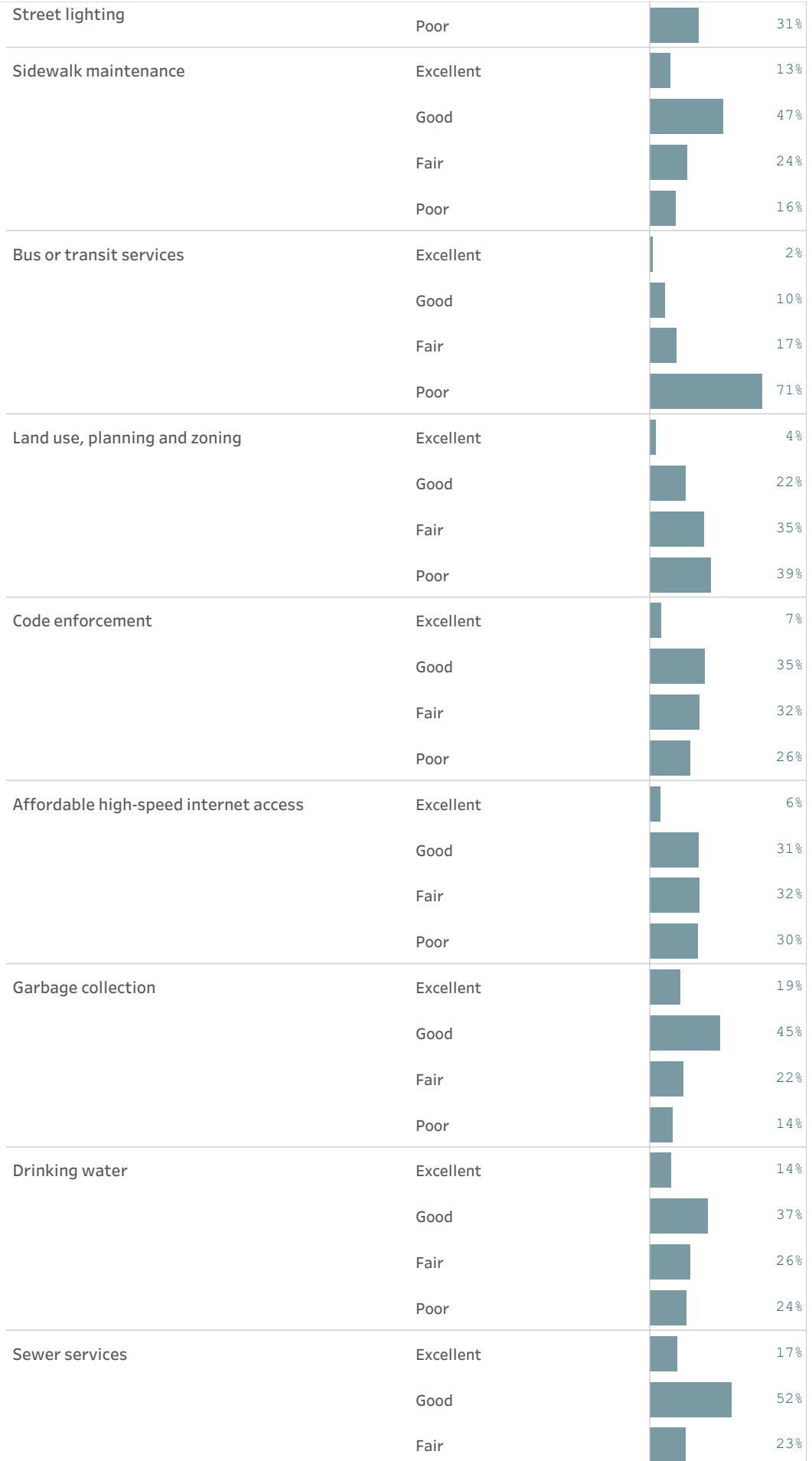


<b>Please also rate each of the following in the Palm Coast community.</b>	Opportunities to participate in social events and activities	Poor		13%
	Opportunities to attend special events and festivals	Excellent		11%
		Good		44%
		Fair		33%
		Poor		13%
	Opportunities to volunteer	Excellent		15%
		Good		49%
		Fair		28%
		Poor		8%
	Opportunities to participate in community matters	Excellent		9%
		Good		42%
		Fair		35%
		Poor		14%
	Openness and acceptance of the community toward people of diverse backgrounds	Excellent		15%
		Good		41%
		Fair		27%
Poor			17%	
<b>Please indicate whether or not you have done each of the following in the last 12 months.</b>	Contacted the City of Palm Coast for help or information	No		36%
		Yes		64%
	Contacted Palm Coast elected officials to express your opinion	No		80%
		Yes		20%
	Attended a local public meeting	No		76%
		Yes		24%
	Watched a local public meeting	No		59%
		Yes		41%
	Volunteered your time to some group/activity	No		68%
		Yes		32%
	Campaigned or advocated for a local issue, cause, or candidate	No		79%
		Yes		21%
	Voted in your most recent local election	No		16%
		Yes		84%
	Used public transportation instead of driving	No		97%



<b>Please indicate whether or not you have done each of the following in the last 12 months.</b>	Used public transportation instead of driving	Yes		3%
	Carpooled with other adults or children instead of driving alone	No		66%
		Yes		34%
	Walked or biked instead of driving	No		52%
Yes			48%	
<b>Please rate the quality of each of the following services in Palm Coast.</b>	Public information services	Excellent		13%
		Good		49%
		Fair		29%
		Poor		9%
	Economic development	Excellent		4%
		Good		33%
		Fair		39%
		Poor		24%
	Traffic enforcement	Excellent		11%
		Good		45%
		Fair		26%
		Poor		17%
	Traffic signal timing	Excellent		6%
		Good		37%
		Fair		30%
		Poor		27%
Street repair	Excellent		10%	
	Good		44%	
	Fair		29%	
	Poor		17%	
Street cleaning	Excellent		16%	
	Good		49%	
	Fair		23%	
	Poor		12%	
Street lighting	Excellent		10%	
	Good		31%	
	Fair		28%	

































Please rate the quality of each of the following services in Palm Coast.



































Please rate the quality of each of the following services in Palm Coast.

Sewer services	Poor		8%
Storm water management	Excellent		12%
	Good		42%
	Fair		26%
	Poor		19%
Power (electric and/or gas) utility	Excellent		19%
	Good		56%
	Fair		21%
	Poor		5%
Utility billing	Excellent		16%
	Good		44%
	Fair		28%
	Poor		12%
Police/Sheriff services	Excellent		45%
	Good		41%
	Fair		11%
	Poor		3%
Crime prevention	Excellent		32%
	Good		48%
	Fair		16%
	Poor		4%
Animal control	Excellent		20%
	Good		51%
	Fair		22%
	Poor		7%
Ambulance or emergency medical services	Excellent		40%
	Good		47%
	Fair		10%
	Poor		3%
Fire services	Excellent		47%
	Good		47%
	Fair		5%


























Please rate the quality of each of the following services in Palm Coast.

Fire services	Poor		1%
	Excellent		30%
Fire prevention and education	Good		49%
	Fair		17%
	Poor		5%
	Excellent		27%
Emergency preparedness	Good		49%
	Fair		18%
	Poor		5%
	Excellent		19%
Preservation of natural areas	Good		39%
	Fair		23%
	Poor		19%
	Excellent		17%
Palm Coast open space	Good		39%
	Fair		28%
	Poor		16%
	Excellent		15%
Recycling	Good		42%
	Fair		23%
	Poor		20%
	Excellent		23%
Yard waste pick-up	Good		44%
	Fair		20%
	Poor		12%
	Excellent		23%
City parks	Good		51%
	Fair		14%
	Poor		3%
	Excellent		31%
Recreation programs or classes	Good		44%
	Fair		29%
	Excellent		15%

<b>Please rate the quality of each of the following services in Palm Coast.</b>	Recreation programs or classes	Poor		12%
	Recreation centers or facilities	Excellent		18%
		Good		46%
		Fair		27%
		Poor		10%
	Health services	Excellent		12%
		Good		44%
		Fair		30%
		Poor		14%
	Public library services	Excellent		28%
		Good		54%
		Fair		15%
		Poor		2%
	Overall customer service by Palm Coast employees	Excellent		25%
		Good		53%
		Fair		17%
Poor			5%	
<b>Please rate the following categories of Palm Coast government performance.</b>	The value of services for the taxes paid to Palm Coast	Excellent		9%
		Good		38%
		Fair		34%
		Poor		18%
	The overall direction that Palm Coast is taking	Excellent		5%
		Good		31%
		Fair		32%
		Poor		32%
	The job Palm Coast government does at welcoming resident involvement	Excellent		7%
		Good		30%
		Fair		37%
		Poor		27%
Overall confidence in Palm Coast government	Excellent		4%	
	Good		27%	
	Fair		36%	

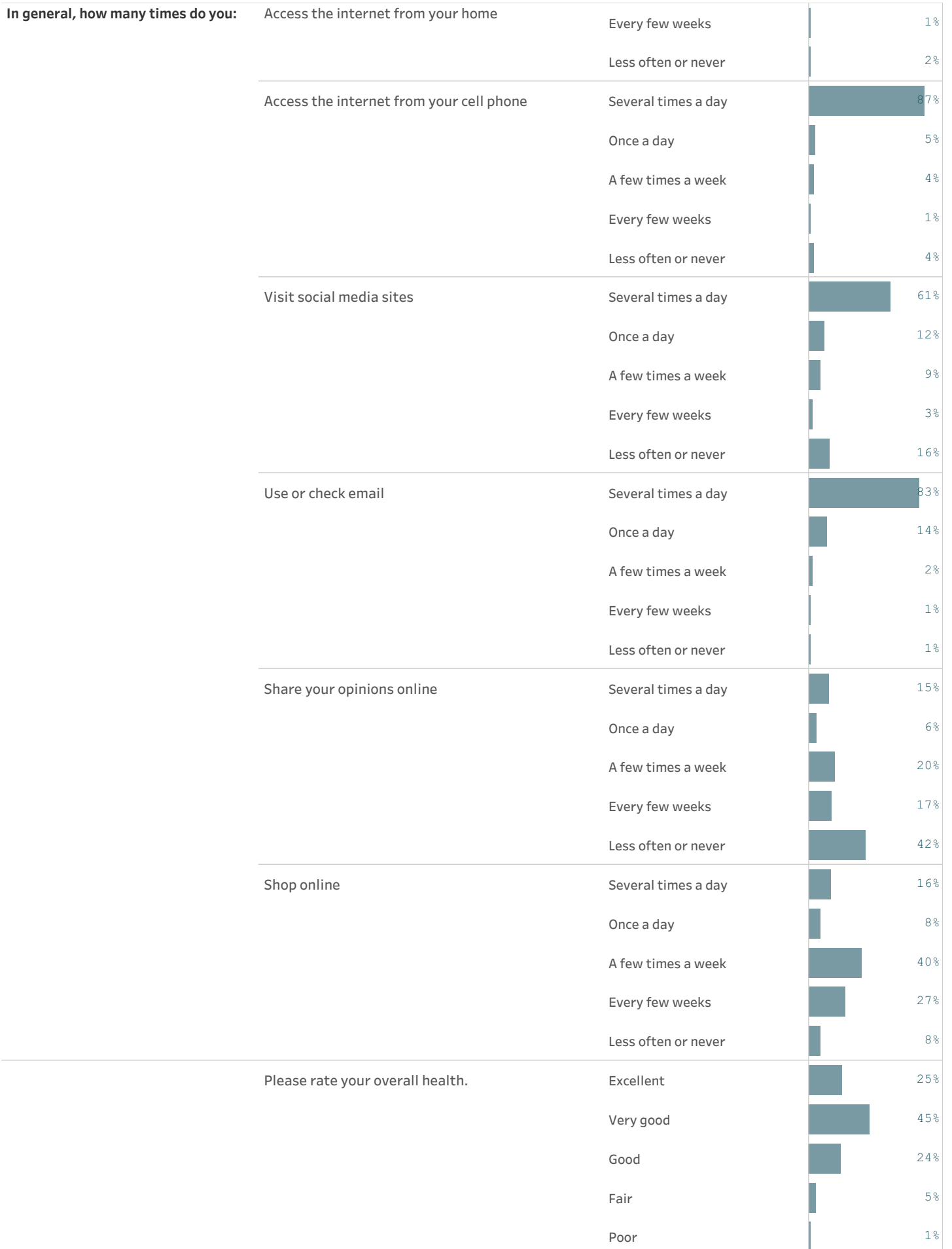


Please rate the following categories of Palm Coast government performance.	Category	Rating	Percentage		
			Bar	Value	
Overall confidence in Palm Coast government	Overall confidence in Palm Coast government	Poor		34%	
		Generally acting in the best interest of the community	Excellent		4%
			Good		30%
			Fair		34%
Poor		32%			
Being honest	Being honest	Excellent		5%	
		Good		27%	
		Fair		33%	
		Poor		34%	
Being open and transparent to the public	Being open and transparent to the public	Excellent		6%	
		Good		25%	
		Fair		34%	
		Poor		35%	
Informing residents about issues facing the community	Informing residents about issues facing the community	Excellent		6%	
		Good		29%	
		Fair		36%	
		Poor		28%	
Treating all residents fairly	Treating all residents fairly	Excellent		9%	
		Good		33%	
		Fair		30%	
		Poor		28%	
Treating residents with respect	Treating residents with respect	Excellent		11%	
		Good		39%	
		Fair		31%	
		Poor		19%	
Overall, how would you rate the quality of the services provided by each of the following?	The City of Palm Coast	Excellent		12%	
		Good		47%	
		Fair		31%	
		Poor		10%	
	The Federal Government	Excellent		6%	
		Good		29%	
		Fair		32%	

quality of the services provided by each of the following?	The Federal Government	Poor		34%
	Please rate how important, if at all, you think it is for the Palm Coast community to focus on each of the following in the coming two years.	Overall economic health	Essential	
Very important				41%
Somewhat important				8%
Not at all important				0%
Overall quality of the transportation system	Essential		34%	
	Very important		39%	
	Somewhat important		25%	
	Not at all important		2%	
Overall design or layout of residential and commercial areas	Essential		42%	
	Very important		44%	
	Somewhat important		13%	
	Not at all important		1%	
Overall quality of the utility infrastructure	Essential		61%	
	Very important		34%	
	Somewhat important		5%	
	Not at all important		0%	
Overall feeling of safety	Essential		58%	
	Very important		35%	
	Somewhat important		7%	
	Not at all important		1%	
Overall quality of natural environment	Essential		48%	
	Very important		39%	
	Somewhat important		12%	
	Not at all important		1%	
Overall quality of parks and recreation opportunities	Essential		31%	
	Very important		47%	
	Somewhat important		20%	
	Not at all important		2%	
Overall health and wellness opportunities	Essential		38%	
	Very important		44%	
	Somewhat important		17%	

<b>Please rate how important, if at all, you think it is for the Palm Coast community to focus on each of the following in the coming two years.</b>	Overall health and wellness opportunities	Not at all important		1%
	Overall opportunities for education, culture, and the arts	Essential		29%
		Very important		41%
		Somewhat important		27%
		Not at all important		3%
Residents' connection and engagement with their community	Essential		21%	
	Very important		45%	
	Somewhat important		31%	
	Not at all important		3%	
<b>Please rate the quality of each of the following in Palm Coast.</b>	Condition of neighborhood streets	Excellent		13%
		Good		54%
		Fair		25%
		Poor		8%
	Condition of major streets	Excellent		21%
		Good		57%
		Fair		17%
		Poor		5%
	Condition of street signs	Excellent		22%
		Good		60%
		Fair		14%
		Poor		4%
	Condition of pavement markings on city streets	Excellent		17%
Good			56%	
Fair			20%	
Poor			7%	
<b>How important, if at all, is it for the City of Palm Coast to do each of the following?</b>	Develop additional medians	Essential		7%
		Very important		18%
		Somewhat important		40%
		Not at all important		35%
	Improve or add turn lanes	Essential		18%
		Very important		35%
		Somewhat important		35%





<b>How important, if at all, is it for the City of Palm Coast to do each of the following?</b>	Improve or add turn lanes	Not at all important		11%
	Improve signal timing	Essential		31%
		Very important		32%
		Somewhat important		28%
		Not at all important		9%
	Add new traffic signals on main roads	Essential		15%
		Very important		24%
		Somewhat important		37%
		Not at all important		24%
	Make sure there is a complete network of sidewalks	Essential		33%
		Very important		37%
		Somewhat important		23%
		Not at all important		6%
	Build more pedestrian bridges or tunnels	Essential		15%
		Very important		21%
		Somewhat important		37%
Not at all important			27%	
Enhance pedestrian/bike connectivity to nearby residential areas	Essential		23%	
	Very important		30%	
	Somewhat important		36%	
	Not at all important		11%	
Swales are the broad, shallow channels along roads, driveways and parking lots and are a key part of the City's storm drainage system. Please rate the quality of the storm water swale system in Palm Coast.	Excellent		13%	
	Good		39%	
	Fair		25%	
	Poor		23%	
Over time, sediment, mud, trash, and other debris collect at the bottom of canals. Dredging helps in maintaining the health, function, recreational enjoyment, and quality of a canal; however, dredging can also be costly and potentially disruptive of the natural environment. How much do you support or oppose the City of Palm Coast in ..	Strongly support		39%	
	Somewhat support		42%	
	Somewhat oppose		11%	
	Strongly oppose		8%	
<b>In general, how many times do you:</b>	Access the internet from your home	Several times a day		89%
		Once a day		5%
		A few times a week		4%





What impact, if any, do you think the economy will have on your family income in the next 6 months? Do you think the impact will be:	Very positive	5%
	Somewhat positive	15%
	Neutral	37%
	Somewhat negative	32%
	Very negative	11%
How many years have you lived in Palm Coast?	Less than 2 years	14%
	2-5 years	25%
	6-10 years	21%
	11-20 years	25%
	More than 20 years	16%
Which best describes the building you live in?	One family house detached from any other houses	87%
	Building with two or more homes (duplex, townhome, apa..	12%
	Mobile home	0%
	Other	1%
Do you rent or own your home?	Rent	26%
	Own	74%
<b>About how much is your monthly housing cost for the place you live (including rent, mortgage payment, property tax, property insurance, and homeowners' association (HOA) fees)?</b>	About how much is your monthly housing cost for the place you live (including rent, mortgage payment, property tax, property insurance and homeowners' association (HOA) fees)?	
	Less than \$500	7%
	\$500 to \$999	16%
	\$1,000 to \$1,499	32%
	\$1,500 to \$1,999	25%
	\$2,000 to \$2,499	11%
	\$2,500 to \$2,999	4%
	\$3,000 to \$3,499	2%
	\$3,500 or more	3%
Do any children 17 or under live in your household?	No	73%
	Yes	27%
Are you or any other members of your household aged 65 or older?	No	51%
	Yes	49%
How much do you anticipate your household's total income before taxes will be for the current year? (Please include in your total income money from all sources for all persons living in your household.)	Less than \$25,000	6%
	\$25,000 to \$49,999	21%
	\$50,000 to \$74,999	24%
	\$75,000 to \$99,999	19%

	How much do you anticipate your household's total income before taxes will be for the current year? (Please include in your total income money from all sources for all persons living in your household.)	\$100,000 to \$149,999	17%
		\$150,000 or more	13%
<b>Are you Spanish, Hispanic, or Latino?</b>	Are you Spanish, Hispanic or Latino?	No, not Spanish, Hispanic, or Latino	89%
		Yes, I consider myself to be Spanish, Hispanic, or Latino	11%
	What is your race? (Mark one or more races to indicate what race you consider yourself to be.)	American Indian or Alaskan Native	3%
		Asian, Asian Indian, or Pacific Islander	3%
		Black or African American	7%
		White	85%
		Other	9%
	In which category is your age?	18-24 years	1%
		25-34 years	11%
		35-44 years	11%
		45-54 years	19%
		55-64 years	19%
		65-74 years	26%
		75 years or older	12%
	What is your gender?	Female	55%
		Male	45%
		Identify in another way	0%
	How did you hear about this survey? (Select all that apply.)	The City's website	11%
		The City's social media (Facebook, Twitter, Instagram,...	13%
		Received an email from the City	62%
		In a City newsletter or utility bill	4%
		Received a postcard or letter from the City	1%
		Nextdoor	4%
		In my Facebook feed	8%
		Saw it on a video of a public meeting or at a meeting I atten..	0%
		Saw it on the City's cable channel	0%
		Saw it in a newspaper article or ad (hard copy or online)	5%
		Saw a flyer or poster about it	0%
		Heard about it from a family member, friend or neighborhood	4%
		Heard about it from a business or social organization in my co..	1%

How did you hear about this survey? (Select all that apply.)		
Polco's weekly email		1%
Polco social media post		1%
On my Polco feed		0%
Other		3%

Please complete this survey if you are the adult (age 18 or older) in the household who most recently had a birthday (the year of birth does not matter). Your responses are confidential and no identifying information will be shared.

**1. Please rate each of the following aspects of quality of life in Palm Coast.**

	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Don't know</u>
Palm Coast as a place to live.....	1	2	3	4	5
Your neighborhood as a place to live .....	1	2	3	4	5
Palm Coast as a place to raise children.....	1	2	3	4	5
Palm Coast as a place to work .....	1	2	3	4	5
Palm Coast as a place to visit .....	1	2	3	4	5
Palm Coast as a place to retire .....	1	2	3	4	5
The overall quality of life in Palm Coast.....	1	2	3	4	5
Sense of community.....	1	2	3	4	5

**2. Please rate each of the following characteristics as they relate to Palm Coast as a whole.**

	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Don't know</u>
Overall economic health of Palm Coast.....	1	2	3	4	5
Overall quality of the transportation system (auto, bicycle, foot, bus) in Palm Coast .....	1	2	3	4	5
Overall design or layout of Palm Coast's residential and commercial areas (e.g., homes, buildings, streets, parks, etc.) .....	1	2	3	4	5
Overall quality of the utility infrastructure in Palm Coast (water, sewer, storm water, electric, gas) .....	1	2	3	4	5
Overall feeling of safety in Palm Coast.....	1	2	3	4	5
Overall quality of natural environment in Palm Coast .....	1	2	3	4	5
Overall quality of parks and recreation opportunities.....	1	2	3	4	5
Overall health and wellness opportunities in Palm Coast.....	1	2	3	4	5
Overall opportunities for education, culture, and the arts.....	1	2	3	4	5
Residents' connection and engagement with their community .....	1	2	3	4	5

**3. Please indicate how likely or unlikely you are to do each of the following.**

	<u>Very likely</u>	<u>Somewhat likely</u>	<u>Somewhat unlikely</u>	<u>Very unlikely</u>	<u>Don't know</u>
Recommend living in Palm Coast to someone who asks .....	1	2	3	4	5
Remain in Palm Coast for the next five years .....	1	2	3	4	5

**4. Please rate how safe or unsafe you feel:**

	<u>Very safe</u>	<u>Somewhat safe</u>	<u>Neither safe nor unsafe</u>	<u>Somewhat unsafe</u>	<u>Very unsafe</u>	<u>Don't know</u>
In your neighborhood during the day.....	1	2	3	4	5	6
In Palm Coast's downtown/commercial area during the day .....	1	2	3	4	5	6
From property crime.....	1	2	3	4	5	6
From violent crime.....	1	2	3	4	5	6
From fire, flood, or other natural disaster .....	1	2	3	4	5	6

**5. Please rate the job you feel the Palm Coast community does at each of the following.**

	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Don't know</u>
Making all residents feel welcome .....	1	2	3	4	5
Attracting people from diverse backgrounds.....	1	2	3	4	5
Valuing/respecting residents from diverse backgrounds.....	1	2	3	4	5
Taking care of vulnerable residents (elderly, disabled, homeless, etc.).....	1	2	3	4	5

**6. Please rate each of the following in the Palm Coast community.**

	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Don't know</u>
Overall quality of business and service establishments in Palm Coast.....	1	2	3	4	5
Variety of business and service establishments in Palm Coast.....	1	2	3	4	5
Vibrancy of downtown/commercial area .....	1	2	3	4	5
Employment opportunities .....	1	2	3	4	5
Shopping opportunities .....	1	2	3	4	5
Cost of living in Palm Coast.....	1	2	3	4	5
Overall image or reputation of Palm Coast.....	1	2	3	4	5

**7. Please also rate each of the following in the Palm Coast community.**

	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Don't know</u>
Traffic flow on major streets.....	1	2	3	4	5
Ease of public parking.....	1	2	3	4	5
Ease of travel by car in Palm Coast.....	1	2	3	4	5
Ease of travel by public transportation in Palm Coast.....	1	2	3	4	5
Ease of travel by bicycle in Palm Coast.....	1	2	3	4	5
Ease of walking in Palm Coast.....	1	2	3	4	5
Well-planned residential growth.....	1	2	3	4	5
Well-planned commercial growth.....	1	2	3	4	5
Well-designed neighborhoods.....	1	2	3	4	5
Preservation of the historical or cultural character of the community.....	1	2	3	4	5
Public places where people want to spend time.....	1	2	3	4	5
Variety of housing options.....	1	2	3	4	5
Availability of affordable quality housing.....	1	2	3	4	5
Overall quality of new development in Palm Coast.....	1	2	3	4	5
Overall appearance of Palm Coast.....	1	2	3	4	5
Cleanliness of Palm Coast.....	1	2	3	4	5
Water resources (beaches, lakes, ponds, riverways, etc.).....	1	2	3	4	5
Air quality.....	1	2	3	4	5
Availability of paths and walking trails.....	1	2	3	4	5
Fitness opportunities (including exercise classes and paths or trails, etc.)... ..	1	2	3	4	5
Recreational opportunities.....	1	2	3	4	5
Availability of affordable quality food.....	1	2	3	4	5
Availability of affordable quality health care.....	1	2	3	4	5
Availability of preventive health services.....	1	2	3	4	5
Availability of affordable quality mental health care.....	1	2	3	4	5
Opportunities to attend cultural/arts/music activities.....	1	2	3	4	5
Community support for the arts.....	1	2	3	4	5
Availability of affordable quality childcare/preschool.....	1	2	3	4	5
K-12 education.....	1	2	3	4	5
Adult educational opportunities.....	1	2	3	4	5
Sense of civic/community pride.....	1	2	3	4	5
Neighborliness of residents in Palm Coast.....	1	2	3	4	5
Opportunities to participate in social events and activities.....	1	2	3	4	5
Opportunities to attend special events and festivals.....	1	2	3	4	5
Opportunities to volunteer.....	1	2	3	4	5
Opportunities to participate in community matters.....	1	2	3	4	5
Openness and acceptance of the community toward people of diverse backgrounds.....	1	2	3	4	5

**8. Please indicate whether or not you have done each of the following in the last 12 months.**

	<u>No</u>	<u>Yes</u>
Contacted the City of Palm Coast (in-person, phone, email, or web) for help or information.....	1	2
Contacted Palm Coast elected officials (in-person, phone, email, or web) to express your opinion.....	1	2
Attended a local public meeting (of local elected officials like City Council or County Commissioners, advisory boards, town halls, HOA, neighborhood watch, etc.).....	1	2
Watched (online or on television) a local public meeting.....	1	2
Volunteered your time to some group/activity in Palm Coast.....	1	2
Campaigned or advocated for a local issue, cause, or candidate.....	1	2
Voted in your most recent local election.....	1	2
Used bus, rail, subway, or other public transportation instead of driving.....	1	2
Carpooled with other adults or children instead of driving alone.....	1	2
Walked or biked instead of driving.....	1	2



**9. Please rate the quality of each of the following services in Palm Coast.**

	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Don't know</u>
Public information services.....	1	2	3	4	5
Economic development.....	1	2	3	4	5
Traffic enforcement.....	1	2	3	4	5
Traffic signal timing.....	1	2	3	4	5
Street repair.....	1	2	3	4	5
Street cleaning.....	1	2	3	4	5
Street lighting.....	1	2	3	4	5
Sidewalk maintenance.....	1	2	3	4	5
Bus or transit services.....	1	2	3	4	5
Land use, planning, and zoning.....	1	2	3	4	5
Code enforcement (weeds, abandoned buildings, etc.).....	1	2	3	4	5
Affordable high-speed internet access.....	1	2	3	4	5
Garbage collection.....	1	2	3	4	5
Drinking water.....	1	2	3	4	5
Sewer services.....	1	2	3	4	5
Storm water management (storm drainage, dams, levees, etc.).....	1	2	3	4	5
Power (electric and/or gas) utility.....	1	2	3	4	5
Utility billing.....	1	2	3	4	5
Police/Sheriff services.....	1	2	3	4	5
Crime prevention.....	1	2	3	4	5
Animal control.....	1	2	3	4	5
Ambulance or emergency medical services.....	1	2	3	4	5
Fire services.....	1	2	3	4	5
Fire prevention and education.....	1	2	3	4	5
Emergency preparedness (services that prepare the community for natural disasters or other emergency situations).....	1	2	3	4	5
Preservation of natural areas (open space, farmlands, and greenbelts).....	1	2	3	4	5
Palm Coast open space.....	1	2	3	4	5
Recycling.....	1	2	3	4	5
Yard waste pick-up.....	1	2	3	4	5
City parks.....	1	2	3	4	5
Recreation programs or classes.....	1	2	3	4	5
Recreation centers or facilities.....	1	2	3	4	5
Health services.....	1	2	3	4	5
Public library services.....	1	2	3	4	5
Overall customer service by Palm Coast employees (police, receptionists, planners, etc.).....	1	2	3	4	5

**10. Please rate the following categories of Palm Coast government performance.**

	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Don't know</u>
The value of services for the taxes paid to Palm Coast.....	1	2	3	4	5
The overall direction that Palm Coast is taking.....	1	2	3	4	5
The job Palm Coast government does at welcoming resident involvement.....	1	2	3	4	5
Overall confidence in Palm Coast government.....	1	2	3	4	5
Generally acting in the best interest of the community.....	1	2	3	4	5
Being honest.....	1	2	3	4	5
Being open and transparent to the public.....	1	2	3	4	5
Informing residents about issues facing the community.....	1	2	3	4	5
Treating all residents fairly.....	1	2	3	4	5
Treating residents with respect.....	1	2	3	4	5

**11. Overall, how would you rate the quality of the services provided by each of the following?**

	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Don't know</u>
The City of Palm Coast.....	1	2	3	4	5
The Federal Government.....	1	2	3	4	5

**12. Please rate how important, if at all, you think it is for the Palm Coast community to focus on each of the following in the coming two years.**

	<u>Essential</u>	<u>Very important</u>	<u>Somewhat important</u>	<u>Not at all important</u>
Overall economic health of Palm Coast.....	1	2	3	4
Overall quality of the transportation system (auto, bicycle, foot, bus) in Palm Coast.....	1	2	3	4
Overall design or layout of Palm Coast's residential and commercial areas (e.g., homes, buildings, streets, parks, etc.).....	1	2	3	4
Overall quality of the utility infrastructure in Palm Coast (water, sewer, storm water, electric, gas).....	1	2	3	4
Overall feeling of safety in Palm Coast.....	1	2	3	4
Overall quality of natural environment in Palm Coast.....	1	2	3	4
Overall quality of parks and recreation opportunities.....	1	2	3	4
Overall health and wellness opportunities in Palm Coast.....	1	2	3	4
Overall opportunities for education, culture, and the arts.....	1	2	3	4
Residents' connection and engagement with their community.....	1	2	3	4

**13. Please rate the quality of each of the following in Palm Coast.**

	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Don't know</u>
Condition of neighborhood streets.....	1	2	3	4	5
Condition of major streets.....	1	2	3	4	5
Condition of street signs.....	1	2	3	4	5
Condition of pavement markings on city streets.....	1	2	3	4	5

**14. How important, if at all, is it for the City of Palm Coast to do each of the following?**

	<u>Essential</u>	<u>Very important</u>	<u>Somewhat important</u>	<u>Not at all important</u>	<u>Don't know</u>
Develop additional medians.....	1	2	3	4	5
Improve or add turn lanes.....	1	2	3	4	5
Improve signal timing.....	1	2	3	4	5
Add new traffic signals on main roads.....	1	2	3	4	5
Make sure there is a complete network of sidewalks.....	1	2	3	4	5
Build more pedestrian bridges or tunnels.....	1	2	3	4	5
Enhance pedestrian/bike connectivity to nearby residential areas.....	1	2	3	4	5

**15. Swales are the broad, shallow channels along roads, driveways and parking lots and are a key part of the City's storm drainage system. Please rate the quality of the storm water swale system in Palm Coast.**

- Excellent     
  Good     
  Fair     
  Poor     
  Don't know

**16. Over time, sediment, mud, trash, and other debris collect at the bottom of canals. Dredging helps in maintaining the health, function, recreational enjoyment, and quality of a canal; however, dredging can also be costly and potentially disruptive of the natural environment. How much do you support or oppose the City of Palm Coast in funding a study to determine the cost and scope of dredging the City's 23 miles of salt water canals?**

- Strongly support     
  Somewhat support     
  Somewhat oppose     
  Strongly oppose     
  Don't know

Our last questions are about you and your household.  
 Again, all of your responses to this survey are confidential and no identifying information will be shared.

**D1. In general, how many times do you:**

	Several times a day	Once a day	A few times a week	Every few weeks	Less often or never	Don't know
Access the internet from your home using a computer, laptop, or tablet computer .....	1	2	3	4	5	6
Access the internet from your cell phone.....	1	2	3	4	5	6
Visit social media sites such as Facebook, Twitter, Nextdoor, etc. ....	1	2	3	4	5	6
Use or check email.....	1	2	3	4	5	6
Share your opinions online.....	1	2	3	4	5	6
Shop online.....	1	2	3	4	5	6

**D2. Please rate your overall health.**

- Excellent   
  Very good   
  Good   
  Fair   
  Poor

**D3. What impact, if any, do you think the economy will have on your family income in the next 6 months?**

**Do you think the impact will be:**

- Very positive   
  Somewhat positive   
  Neutral   
  Somewhat negative   
  Very negative

**D4. How many years have you lived in Palm Coast?**

- Less than 2 years  
 2-5 years  
 6-10 years  
 11-20 years  
 More than 20 years

**D5. Which best describes the building you live in?**

- One family house detached from any other houses  
 Building with two or more homes  
 (duplex, townhome, apartment, or condominium)  
 Mobile home  
 Other

**D6. Do you rent or own your home?**

- Rent  
 Own

**D7. About how much is your monthly housing cost for the place you live (including rent, mortgage payment, property tax, property insurance, and homeowners' association (HOA) fees)?**

- Less than \$500             \$2,000 to \$2,499  
 \$500 to \$999             \$2,500 to \$2,999  
 \$1,000 to \$1,499         \$3,000 to \$3,499  
 \$1,500 to \$1,999         \$3,500 or more

**D8. Do any children 17 or under live in your household?**

- No     Yes

**D9. Are you or any other members of your household aged 65 or older?**

- No     Yes

**D10. How much do you anticipate your household's total income before taxes will be for the current year? (Please include in your total income money from all sources for all persons living in your household.)**

- Less than \$25,000     \$75,000 to \$99,999  
 \$25,000 to \$49,999     \$100,000 to \$149,999  
 \$50,000 to \$74,999     \$150,000 or more

**D11. Are you Spanish, Hispanic or Latino?**

- No, not Spanish, Hispanic, or Latino  
 Yes, I consider myself to be Spanish, Hispanic, or Latino

**D12. What is your race? (Mark one or more races to indicate what race you consider yourself to be.)**

- American Indian or Alaskan Native  
 Asian, Asian Indian, or Pacific Islander  
 Black or African American  
 White  
 Other

**D13. In which category is your age?**

- 18-24 years             55-64 years  
 25-34 years             65-74 years  
 35-44 years             75 years or older  
 45-54 years

**D14. What is your gender?**

- Female  
 Male  
 Identify in another way

**Thank you!** Please return the completed survey in the postage-paid envelope to:  
**National Research Center, Inc., PO Box 549, Belle Mead, NJ 08502**

# City of Palm Coast, Florida Agenda Item

Agenda Date : March 8, 2022

<b>Department Item Key</b>	COMMUNITY DEVELOPMENT 13195	<b>Amount Account #</b>	
<b>Subject</b>	RESOLUTION 2022-XX APPROVING THE ASSESSMENT OF FAIR HOUSING		
<b>Presenter :</b>	Jose Papa, Senior Planner		
<b>Background :</b>	<p><b>COUNCIL PRIORITY:</b> This is standard operations.</p> <p>Title VIII of the Civil Rights Act of 1968, known as the <a href="#">Fair Housing Act</a>, requires US Dept. of Housing and Urban Development (HUD) and recipients of federal funds from HUD to affirmatively further the policies and purposes of the Fair Housing Act, also known as “affirmatively further fair housing” or “AFFH.” The obligation to affirmatively further fair housing requires recipients of HUD funds to take meaningful actions, in addition to combating discrimination, that overcome patterns of segregation and foster inclusive communities free from barriers that restrict access to opportunity based on protected characteristics, which are:</p> <ul style="list-style-type: none"> <li>• Race</li> <li>• Color</li> <li>• National origin</li> <li>• Religion</li> <li>• Sex (including sexual orientation and gender identity)</li> <li>• Familial status</li> <li>• Disability</li> </ul> <p>Generally, in administering programs and activities relating to housing and community development, the federal government, HUD, and its recipients must:</p> <ul style="list-style-type: none"> <li>• Determine who lacks access to opportunity and address any inequity among protected class groups</li> <li>• Promote integration and reduce segregation</li> <li>• Transform racially or ethnically concentrated areas of poverty into areas of opportunity.</li> </ul> <p>HUD’s 2021 Interim Final Rule (IFR), “Restoring Affirmatively Furthering Fair Housing Definitions and Certifications,” requires program participants to submit certifications that they will affirmatively further fair housing in connection with their consolidated plans, annual action plans, and PHA plans. In order to support these certifications, the IFR creates a voluntary fair housing planning process for which HUD will provide technical assistance and support.</p>		

The IFR does not require program participants to undertake any specific type of fair housing planning to support their certifications, but it does commit HUD to providing technical assistance to those that wish to undertake Assessments of Fair Housing (AFHs), Analyses of Impediments to Fair Housing Choice (AIs), or other forms of fair housing planning.

The completion of the City of Palm Coast AFH follows the assessment tool provided by HUD for local governments. The Assessment Tool guides program participants through an assessment of key fair housing issues and contributing factors in their jurisdictions and regions, including what data to use in the assessment. It also guides program participants through the process of setting meaningful fair housing goals and priorities. Generally, an AFH will include:

- Summary of fair housing issues and capacity;
- Analysis of HUD-provided data, local data, and local knowledge;
- Assessment of fair housing issues and contributing factors; and
- Identification of fair housing priorities and goals.

A key component of the Assessment Tool is the HUD provided data sources program participants must use. Certain HUD-provided data may have limitations, including limitations in how they apply to geographic areas with different characteristics (e.g., rural, urban, suburban, majority/minority areas). For this reason, program participants must supplement the HUD-provided data with local data and local knowledge. A key contribution from incorporating an active citizen participation role in the development of an AFH is in providing the local perspective to augment the mapping and data collection remotely completed by HUD.

The AFFH rule requires the analysis of data to complete the AFH. Program participants must use HUD-provided data and must supplement this data with local data and local knowledge as more fully explained in the Assessment Tool Instructions. HUD provides maps and tables to be used in completing the Assessment Tool. The maps can be utilized to visualize data and their tables help to display and represent the data contained in the maps.

As provided in the full report, a number of local organizations was contacted to provide input into a survey designed to elicit views and issues associated with furthering fair housing. Additionally, an on-line survey was released on the City's website for the general public. Although, the two surveys differ in questions, both were intended to identify issues associated with fair housing such as access, integration and segregation and concentrated areas of poverty.

### **Findings:**

The AFH report's findings are summarized below, grouped by the issue areas the report must cover.

### **Demographics**

The most obvious observation is that the City continues to grow at a robust phase. Between 2010 and 2020, the City grew at an average annual rate of 2.33% or about 25% over the decade. The City continues to be predominantly White at 79.7% with Black or African-American as the next most common race at 11.5%.



### **Segregation/Integration**

Compared with the findings of the 2016 Assessment of Fair Housing, Palm Coast continues to show no significant negative indicators related to Segregation/Integration based on HUD's "dissimilarity index". The values in Palm Coast range between 13.52 for Asian-Pacific Islander/White to 17.35 for Black/White.

The dissimilarity index is a measure of the distribution of any two differing groups across census tracts. The values range from 0 to 100, with 0 marking perfect integration and 100 indicating complete segregation or a census tract with only 1 race.

### **Racially or Ethnically Concentrated Areas of Poverty (R/ECAPs)**

There are no R/ECAPs in Palm Coast. This is similar to the findings from the 2016 Assessment of Fair Housing for Palm Coast.

R/ECAPS requires a two-pronged test of meeting a poverty and racial/ethnic concentration threshold. By definition, R/ECAPs have a non-white population of 50 percent or more. The poverty threshold is if census tract has a poverty rate that exceeds 40% of individuals living in the census tract or is three times the average tract poverty rate for the metro/micro area, whichever threshold is lower.

### **Disparities in Access to Opportunity**

HUD developed this metric as a way to measure the degree to which a neighborhood offers features commonly viewed as important community assets such as education, employment, and transportation, among others. HUD acknowledges that there may be other assets which may be measured and these features do not capture everything that is important to the well-being of individuals and families.

#### School Proficiency Index

The school proficiency rating for the block groups in the City ranged from 49 to 84 and remains comparable with school proficiency ratings for the City in 2016.

#### Labor Market Index

As shown below, the labor market index for the city ranges from 10 to 56. In the 2016 report, most City households were in the 50-60 range. Further review of labor market index based on race/ethnicity does not indicate a skewing towards one race or another.

### **Opportunity Indicators by Race/Ethnicity (Table 12 of AFH)**

HUD used a two-stage process for developing the data needed to analyze disparities in access to opportunity. The first stage involves quantifying the degree to which a neighborhood offers features commonly viewed as important opportunity indicators, these indicators are as follows:

- Low Poverty Index,
- School Proficiency Index,
- Labor Market Index, Transit Index,
- Low Transportation Cost Index,
- Jobs Proximity Index, and
- Environmental Health Index.

In the second stage, HUD compares these rankings across people in particular racial and economic subgroups to characterize disparities in access to opportunities. To focus the analysis, HUD developed methods to quantify a selected number of the important opportunity indicators in every neighborhood (i.e. census tracts or block groups). Scores range from 0 to 100 (percentile ranks nationally), with a higher score indicating less exposure to a particular indicator within a neighborhood. As described above, HUD’s analyses is intended to indicate if a particular racial or economic group has a greater challenge in access to a particular indicator.

(Palm Coast, FL CDBG) Jurisdiction	Low Poverty Index	School Proficiency Index	Labor Market Index	Transit Index	Low Transportation Cost Index	Jobs Proximity Index	Environmental Health Index
<b>Total Population</b>							
White, Non-Hispanic	47.00	54.07	32.18	5.14	11.53	24.25	61.11
Black, Non-Hispanic	42.90	57.59	32.26	3.70	11.43	23.97	60.52
Hispanic	44.61	57.59	31.90	3.48	11.49	23.24	60.82
Asian or Pacific Islander, Non-Hispanic	46.55	54.64	33.10	4.44	11.38	23.01	60.91
Native American, Non-Hispanic	44.74	57.02	31.52	4.34	11.38	22.61	60.84
<b>Population below federal poverty line</b>							
White, Non-Hispanic	43.10	56.36	31.82	4.73	11.94	25.78	59.99
Black, Non-Hispanic	42.29	57.71	32.73	4.85	11.46	26.86	59.07
Hispanic	39.63	65.56	27.56	1.62	12.53	26.07	60.47
Asian or Pacific Islander, Non-Hispanic	50.30	52.19	35.36	2.05	8.30	14.75	62.13
Native American, Non-Hispanic	25.00	28.99	10.00	63.00	14.00	52.29	60.00
<b>(Deltona-Daytona Beach-Ormond Beach, FL) Region</b>							
<b>Total Population</b>							
White, Non-Hispanic	47.72	48.96	35.39	27.08	17.54	43.69	52.28
Black, Non-Hispanic	29.32	34.65	22.46	30.31	22.50	58.31	48.32
Hispanic	40.42	40.86	31.33	15.84	15.45	31.32	46.72
Asian or Pacific Islander, Non-Hispanic	48.07	48.76	37.62	24.92	18.05	45.98	49.75
Native American, Non-Hispanic	42.11	43.15	32.34	28.74	19.01	44.93	51.22
<b>Population below federal poverty line</b>							
White, Non-Hispanic	41.67	44.59	31.99	32.11	20.43	49.21	52.13
Black, Non-Hispanic	23.40	30.61	17.56	37.41	24.83	67.37	47.26
Hispanic	36.91	37.37	30.55	19.71	18.32	39.31	46.10
Asian or Pacific Islander, Non-Hispanic	44.22	34.54	33.91	25.36	21.17	49.55	49.65
Native American, Non-Hispanic	26.89	40.80	21.75	34.22	23.23	59.70	54.87

Note 1: Data Sources: Decennial Census; ACS; Great Schools; Common Core of Data; SABINS; LAI; LEHD; NATA

Note 2: Refer to the Data Documentation for details ([www.hudexchange.info/resource/4848/affh-data-documentation](http://www.hudexchange.info/resource/4848/affh-data-documentation)).

The results in Table 12 compares the index for Palm Coast with that for the region (Deltona-Daytona Beach-Ormond Beach) of which Palm Coast is a part. The comparison indicates that Palm Coast fares comparatively with the region as a whole, other than Transit Index, Low Transportation Cost Index, and Jobs Proximity Index. The lower score compared to the region is likely an indication of the lack of fixed transit routes within Flagler County/Palm Coast and the need for a greater number of the labor force to commute to other areas (leading to a higher transportation cost and a lower jobs proximity index score). The Index does indicate that Palm Coast has lower exposure rate to environmental toxins (Environmental Health Index).

### **Disproportionate Housing Needs**

To assist communities in describing disproportionate housing needs in their geography, HUD is providing data which identifies instances when the incidence of housing problems are measurably higher for members of racial or ethnic groups than for the population as a whole.

These measures are:

- Lack complete kitchen facilities
- Lack complete plumbing facilities
- More than one person per room
- Cost Burden - monthly housing costs (including utilities) exceed 30 percent of monthly income

A disproportionate housing need is defined as a circumstance when the members of racial or ethnic group within an income level experience housing problems at least 10 percentage points more frequently than the entire population at that income level.

The current available data shows that 33.54% of households experience one of the 4 housing problems compared to 41.27% of households in the data available for the 2016 AI report. This reduction is similarly reflected based on race or ethnicity.

### **Survey Results (Local Input)**

As indicated earlier, the HUD provided data can be useful in examining many aspects of fair housing within a community. Gaining local perspective, however, is an equally important factor to augment the mapping and data collection remotely completed by HUD. To provide this local perspective two different, yet complementary surveys were conducted during the months of November and December. The first was a survey that was emailed out to the 16 organizations previously listed as partners to this effort. These organizations are regularly involved serving the Palm Coast area citizens in a variety of ways from housing to life skills to legal aid to advocating for the needs of the various protected classes of the diverse Palm Coast area population. The second survey was targeted toward the general Palm Coast population. Community feedback was obtained in an online survey through the Palm Coast website between 11/8/21 and 12/4/21. It is important to note that the community survey is not a “scientific” or “responsible” survey whose results may be used to draw conclusions for a larger population. The survey results should be viewed as simply the opinion of those who chose to respond.

Both surveys asked if the respondents felt like there were areas of concentration of minorities and low- to moderate-income households. Overwhelmingly the responses between both surveys indicated that there were no real areas of minority concentration. When it came to lower-income areas of the community, the responses leaned slightly toward there not being any highly concentrated areas of low- to moderate-income households. Areas that had the most likelihood of being considered low- to moderate-income neighborhoods were sections P, R, S, the Town Center, areas that were zoned to allow duplex development, and the older neighborhoods of the community.

While responses leaned toward there not being a need for additional housing opportunities for low- to moderate-income families and the elderly & disabled, there was significant support for the development of additional facilities.

Public transportation seems to be an issue that is recognized within both surveys. On the other hand, respondents to both surveys leaned toward the opinion that jobs, shopping, and access to services were easily accessible, which seems to be somewhat of a contradiction to the need for public transportation.

Both survey respondents indicated an overwhelming sentiment that there were no areas within the community where conflicts existed based upon race, age, or disability. A few respondents indicated that this was more of an individual issue. Rather than a neighborhood or community-wide issue.

An overwhelming sentiment between both surveys was a need for more education on Fair Housing and home buyer education.

### **Suggestions for Future Consideration**

Based on the results of HUD driven data and the survey results the following are actions that may be implemented to “affirmatively further fair housing”.

1. Establishment of public education opportunities. Subject matter might include:
  - a. Fair Housing regulations for
    - i. Landlords
    - ii. Potential home buyers
    - iii. Potential renters
    - iv. Real estate professionals (Realtor Associations typically require continuing education with Fair Housing being one of the areas of concentration)
  - b. First-time Homebuyer education
2. Expand code enforcement efforts. Significant comments were about the need for increased code enforcement. These types of efforts often tend to maintain neighborhood property values.
3. Explore the possibility of establishment of a public transportation system. Public transportation was mentioned several times as a hindrance to commuting to and from work, as well as access to shopping, services, and community events. Flagler County Transit as part of requirements to receive federal funds periodically completes a 10-year Transit Development Plan (TDP).
4. Other ideas or strategies may come from development of the Consolidated Action Plan or the Annual Action Plan.

### **Citizens Advisory Task Force Public Hearing and 30-day comment period**

The CATF held a public hearing for the Assessment of Fair Housing on January 5, 2022. The document was then made available for a 30-day public comment period from January 27, 2022 to February 25, 2022. There were no public comments.

### **Recommended Action :**

**THE CITIZENS ADVISORY TASK FORCE (CATF) RECOMMENDS THAT CITY COUNCIL APPROVE THE ASSESSMENT OF FAIR HOUSING**

# Assessment of Fair Housing

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City Council  
Public Workshop



# Assessment of Fair Housing - Background

## Requirements of Fair Housing Act

- Recipient of federal fund must “affirmatively further fair housing”
- Take meaningful actions, to overcome patterns of segregation and address barriers that restrict access to opportunity based on protected characteristics, which are:
  - Race
  - Color
  - National origin
  - Religion
  - Sex (including sexual orientation and gender identity)
  - Familial status
  - Disability

# Assessment of Fair Housing - Background

## Recipient goes through process to:

- *Determine who lacks access to opportunity and address any inequity among protected class groups,*
- *Promote integration and reduce segregation, and*
- *Transform racially or ethnically concentrated areas of poverty into areas of opportunity*

## No mandate on specific process

- HUD will provide technical assistance and support through data, assessment tool (data for use by analysis)

## Assessment of Fair Housing includes following:

- Summary of fair housing issues and capacity;
- Analysis of HUD-provided data, local data, and local knowledge;
- Assessment of fair housing issues and contributing factors; and
- Identification of fair housing priorities and goals.

# Assessment of Fair Housing - Data

## City Demographics

- City continues to grow at a robust phase
- Between 2010 and 2020, the City grew at an average annual rate of 2.33% or about 23% over the decade.
- Predominantly White at 79.7% with Black or African-American as the next most common race at 11.5%.

# Assessment of Fair Housing - Data

## Segregation/Integration

- Compared with the findings of the 2016 Assessment of Fair Housing, Palm Coast continuous to show no significant negative indicators related to Segregation/Integration based on HUDs “dissimilarity index”.
- The “dissimilarity index” for values in Palm Coast range between 13.52 for Asian-Pacific Islander/White to 17.35 for Black/White (0 is perfect integration while 100 is complete segregation)

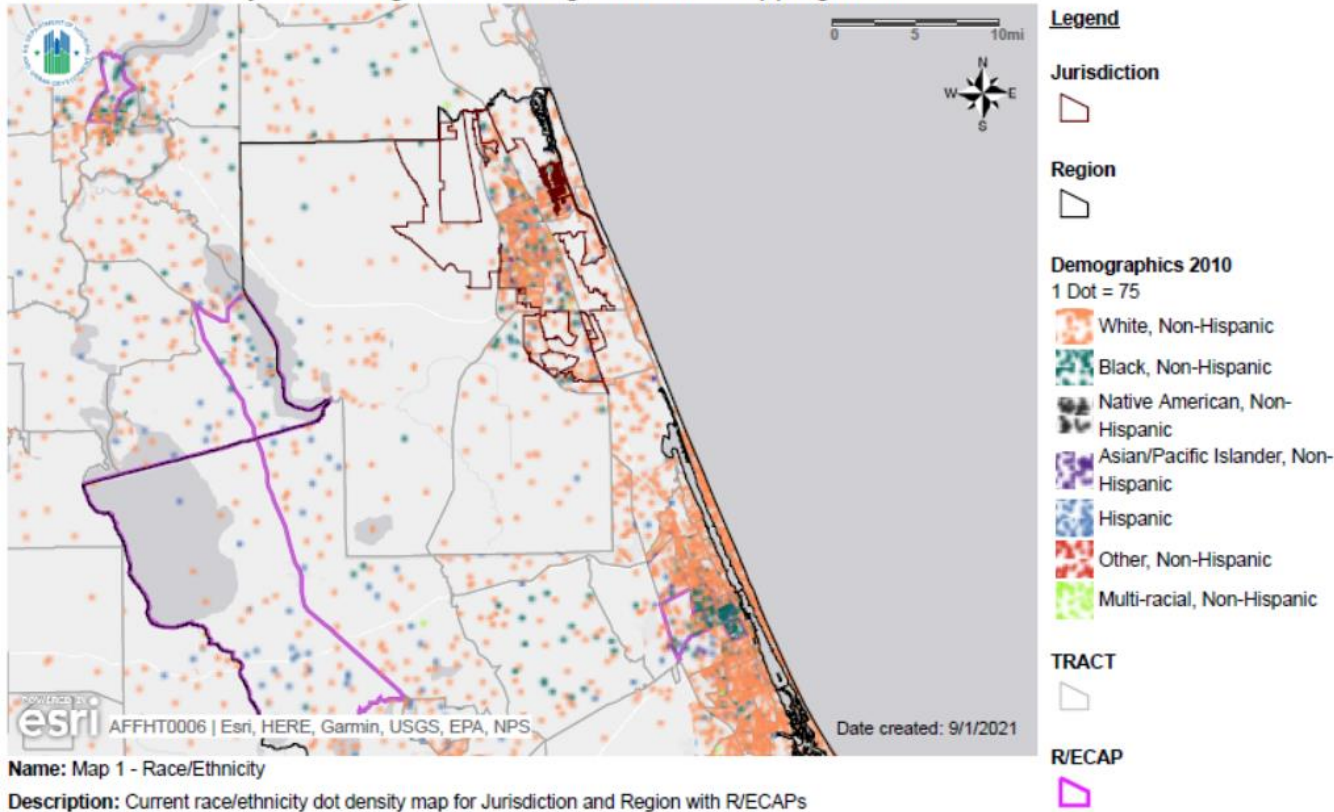
Racial/Ethnic Dissimilarity Index	(Palm Coast, FL CDBG) Jurisdiction				(Deltona-Daytona Beach-Ormond Beach, FL) Region			
	1990 Trend	2000 Trend	2010 Trend	Current	1990 Trend	2000 Trend	2010 Trend	Current
Non-White/White	24.77	14.01	12.94	14.44	47.63	40.82	37.52	41.09
Black/White	35.93	19.60	15.74	17.35	64.57	53.91	47.20	50.20
Hispanic/White	9.58	15.13	12.56	13.92	40.80	41.88	40.05	42.21
Asian or Pacific Islander/White	8.15	12.06	10.82	13.52	24.10	21.65	22.87	29.05

Note 1: Data Sources: Decennial Census

Note 2: Refer to the Data Documentation for details ([www.hudexchange.info/resource/4848/affh-data-documentation](http://www.hudexchange.info/resource/4848/affh-data-documentation)).

# Assessment of Fair Housing - Data

HUD Affirmatively Furthering Fair Housing Data and Mapping Tool



## Racially or Ethnically Concentrated Areas of Poverty (R/ECAPs)

- There are no R/ECAPs in Palm Coast. This is similar to the findings from the 2016 Assessment of Fair Housing for Palm Coast.

*By definition, R/ECAPs have a non-white population of 50 percent or more. The poverty threshold is if census tract has a poverty rate that exceeds 40% of individuals living in the census tract or is three times the average tract poverty rate for the metro/micro area, whichever threshold is lower.*



# Assessment of Fair Housing - Data

## Disparities in Access to Opportunity

- Metric is a way to measure the degree to which a neighborhood offers features commonly viewed as important community assets such as education, employment, and transportation, among others. (HUD acknowledges that there may be other assets which may be measured and these features do not capture everything that is important to the well-being of individuals and families).
- Opportunity Indicators

# Assessment of Fair Housing - Data

## Opportunity Indicators by Race/Ethnicity (Table 12 of AFH)

- Two-stage process for developing the data needed to analyze disparities in access to opportunity
- First – Quantify the degree to which a neighborhood offers features commonly viewed as important opportunity indicators, these indicators are as follows:
  - Low Poverty Index,
  - School Proficiency Index,
  - Labor Market Index, Transit Index,
  - Low Transportation Cost Index,
  - Jobs Proximity Index, and
  - Environmental Health Index.

# Assessment of Fair Housing - Data

## Opportunity Indicators by Race/Ethnicity (Table 12 of AFH) – Access

In the second stage,

- Comparison across racial and economic subgroups to characterize disparities in access to opportunities within neighborhoods (i.e. census tracts or block groups).
- Scores range from 0 to 100 (percentile ranks nationally), with a higher score indicating less exposure to a particular indicator within a particular geography.
- HUD's analyses is intended to indicate if a particular racial or economic group has a greater challenge in access to a particular indicator.

# Assessment of Fair Housing - Data

**Table 12 - Opportunity Indicators, by Race/Ethnicity**

(Palm Coast, FL CDBG) Jurisdiction	Low Poverty Index	School Proficiency Index	Labor Market Index	Transit Index	Low Transportation Cost Index	Jobs Proximity Index	Environmental Health Index
<b>Total Population</b>							
White, Non-Hispanic	47.00	54.07	32.18	5.14	11.53	24.25	61.11
Black, Non-Hispanic	42.90	57.59	32.26	3.70	11.43	23.97	60.52
Hispanic	44.61	57.59	31.90	3.48	11.49	23.24	60.82
Asian or Pacific Islander, Non-Hispanic	46.55	54.64	33.10	4.44	11.38	23.01	60.91
Native American, Non-Hispanic	44.74	57.02	31.52	4.34	11.38	22.61	60.84
<b>Population below federal poverty line</b>							
White, Non-Hispanic	43.10	56.36	31.82	4.73	11.94	25.78	59.99
Black, Non-Hispanic	42.29	57.71	32.73	4.85	11.46	26.86	59.07
Hispanic	39.63	65.56	27.56	1.62	12.53	26.07	60.47
Asian or Pacific Islander, Non-Hispanic	50.30	52.19	35.36	2.05	8.30	14.75	62.13
Native American, Non-Hispanic	25.00	28.99	10.00	63.00	14.00	52.29	60.00
<b>(Deltona-Daytona Beach-Ormond Beach, FL) Region</b>							
<b>Total Population</b>							
White, Non-Hispanic	47.72	48.96	35.39	27.08	17.54	43.69	52.28
Black, Non-Hispanic	29.32	34.65	22.46	30.31	22.50	58.31	48.32
Hispanic	40.42	40.86	31.33	15.84	15.45	31.32	46.72
Asian or Pacific Islander, Non-Hispanic	48.07	48.76	37.62	24.92	18.05	45.98	49.75
Native American, Non-Hispanic	42.11	43.15	32.34	28.74	19.01	44.93	51.22
<b>Population below federal poverty line</b>							
White, Non-Hispanic	41.67	44.59	31.99	32.11	20.43	49.21	52.13
Black, Non-Hispanic	23.40	30.61	17.56	37.41	24.83	67.37	47.26
Hispanic	36.91	37.37	30.55	19.71	18.32	39.31	46.10
Asian or Pacific Islander, Non-Hispanic	44.22	34.54	33.91	25.36	21.17	49.55	49.65
Native American, Non-Hispanic	26.89	40.80	21.75	34.22	23.23	59.70	54.87

Note 1: Data Sources: Decennial Census; ACS; Great Schools; Common Core of Data; SABINS; LAI; LEHD; NATA

Note 2: Refer to the Data Documentation for details ([www.hudexchange.info/resource/4848/affh-data-documentation](http://www.hudexchange.info/resource/4848/affh-data-documentation)).

- Palm Coast is comparative with region and more favorable in certain Indices (environmental health, school proficiency and low poverty)
- Due to limited transit and indication of need to commute further for employment, Transit Index, Transportation Cost Index and Jobs Proximity Index are lower

# Assessment of Fair Housing - Data

Comparison across federal poverty line

**Table 12 - Opportunity Indicators, by Race/Ethnicity**

(Palm Coast, FL CDBG) Jurisdiction	Low Poverty Index	School Proficiency Index	Labor Market Index	Transit Index	Low Transportation Cost Index	Jobs Proximity Index	Environmental Health Index
<b>Total Population</b>							
White, Non-Hispanic	47.00	54.07	32.18	5.14	11.53	24.25	61.11
Black, Non-Hispanic	42.90	57.59	32.26	3.70	11.43	23.97	60.52
Hispanic	44.61	57.59	31.90	3.48	11.49	23.24	60.82
Asian or Pacific Islander, Non-Hispanic	46.55	54.64	33.10	4.44	11.38	23.01	60.91
Native American, Non-Hispanic	44.74	57.02	31.52	4.34	11.38	22.61	60.84
<b>Population below federal poverty line</b>							
White, Non-Hispanic	43.10	56.36	31.82	4.73	11.94	25.78	59.99
Black, Non-Hispanic	42.29	57.71	32.73	4.85	11.46	26.86	59.07
Hispanic	39.63	65.56	27.56	1.62	12.53	26.07	60.47
Asian or Pacific Islander, Non-Hispanic	50.30	52.19	35.36	2.05	8.30	14.75	62.13
Native American, Non-Hispanic	25.00	28.99	10.00	63.00	14.00	52.29	60.00

- Native American (Low Poverty Index, School Proficiency Index, Labor Market participation in labor market)
- These indicate that there may be challenges to this set of population



# Assessment of Fair Housing - Data

## Disproportionate Housing Needs

Circumstance when racial or ethnic group within an income level experience housing problems at least 10 percentage points more frequently than the entire population at that income level

- Lack complete kitchen facilities
- Lack complete plumbing facilities
- More than one person per room
- Cost Burden - monthly housing costs (including utilities) exceed 30 percent of monthly income

# Assessment of Fair Housing - Data

**Table 9 - Demographics of Households with Disproportionate Housing Needs**

Disproportionate Housing Needs	(Palm Coast, FL CDBG) Jurisdiction			(Deltona-Daytona Beach-Ormond Beach, FL) Region		
	Households experiencing any of 4 housing problems	# with problems	# households	% with problems	# with problems	# households
<b>Race/Ethnicity</b>						
White, Non-Hispanic	7,120	22,315	31.91%	64,005	194,645	32.88%
Black, Non-Hispanic	1,544	3,309	46.66%	11,015	21,759	50.62%
Hispanic	673	2,273	29.61%	10,115	20,434	49.50%
Asian or Pacific Islander, Non-Hispanic	173	588	29.42%	1,008	3,458	29.15%
Native American, Non-Hispanic	0	30	0.00%	305	614	49.67%
Other, Non-Hispanic	134	278	48.20%	999	2,502	39.93%
<b>Total</b>	<b>9,665</b>	<b>28,820</b>	<b>33.54%</b>	<b>87,445</b>	<b>243,460</b>	<b>35.92%</b>
<b>Household Type and Size</b>						
Family households, <5 people	5,045	18,400	27.42%	40,570	137,820	29.44%
Family households, 5+ people	905	2,205	41.04%	6,225	14,685	42.39%
Non-family households	3,725	8,209	45.38%	40,640	90,930	44.69%
<b>Households experiencing any of 4 Severe Housing Problems</b>						
	# with severe problems	# households	% with severe problems	# with severe problems	# households	% with severe problems
<b>Race/Ethnicity</b>						
White, Non-Hispanic	3,390	22,315	15.19%	31,070	194,645	15.96%
Black, Non-Hispanic	913	3,309	27.59%	6,284	21,759	28.88%
Hispanic	345	2,273	15.18%	5,070	20,434	24.81%
Asian or Pacific Islander, Non-Hispanic	59	588	10.03%	508	3,458	14.69%
Native American, Non-Hispanic	0	30	0.00%	135	614	21.99%
Other, Non-Hispanic	100	278	35.97%	635	2,502	25.38%
<b>Total</b>	<b>4,835</b>	<b>28,820</b>	<b>16.78%</b>	<b>43,690</b>	<b>243,460</b>	<b>17.95%</b>

Note 1: The four housing problems are: incomplete kitchen facilities, incomplete plumbing facilities, more than 1 person per room, and cost burden greater than 30%. The four severe housing problems are: incomplete kitchen facilities, incomplete plumbing facilities, more than 1 person per room, and cost burden greater than 50%.

Note 2: All % represent a share of the total population within the jurisdiction or region, except household type and size, which is out of total households.

Note 3: Data Sources: CHAS

Note 4: Refer to the Data Documentation for details ([www.hudexchange.info/resource/4848/affh-data-documentation](http://www.hudexchange.info/resource/4848/affh-data-documentation)).

- Black, and Other Non-Hispanic Household
- Non-family households

Compared to 2016 report, the % of households with any of 4 housing problems has been reduced to 33.54% from 41.27% similar reduction is seen for Black, and Other Non-Hispanic Household

# Assessment of Fair Housing - Data

Table 9 - Demographics of Households with Disproportionate Housing Needs

Disproportionate Housing Needs	(Palm Coast, FL CDBG) Jurisdiction			(Deltona-Daytona Beach-Ormond Beach, FL CBSA) Region		
	# with problems	# households	% with problems	# with problems	# households	% with problems
<b>Households experiencing any of 4 housing problems*</b>						
<b>Race/Ethnicity</b>						
White, Non-Hispanic	7,700	20,790	37.04%	67,235	187,185	35.92%
Black, Non-Hispanic	1,960	3,334	58.79%	11,010	20,250	54.37%
Hispanic	1,085	2,009	54.01%	10,125	18,279	55.39%
Asian or Pacific Islander, Non-Hispanic	215	594	36.20%	1,065	2,764	38.53%
Native American, Non-Hispanic	55	90	61.11%	289	649	44.53%
Other, Non-Hispanic	240	445	53.93%	1,105	2,260	48.89%
<i>Total</i>	<i>11,260</i>	<i>27,285</i>	<i>41.27%</i>	<i>90,830</i>	<i>231,400</i>	<i>39.25%</i>
<b>Household Type and Size</b>						
Family households, <5 people	6,245	17,724	35.23%	43,920	133,774	32.83%
Family households, 5+ people	1,250	2,015	62.03%	7,815	14,180	55.11%
Non-family households	3,765	7,545	49.90%	39,100	83,440	46.86%
<b>Households experiencing any of 4 Severe Housing Problems**</b>						
<b>Race/Ethnicity</b>						
White, Non-Hispanic	3,679	20,790	17.70%	32,025	187,185	17.11%
Black, Non-Hispanic	1,360	3,334	40.79%	6,685	20,250	33.01%
Hispanic	540	2,009	26.88%	5,480	18,279	29.98%
Asian or Pacific Islander, Non-Hispanic	95	594	15.99%	605	2,764	21.89%
Native American, Non-Hispanic	55	90	61.11%	224	649	34.51%
Other, Non-Hispanic	125	445	28.09%	615	2,260	27.21%
<i>Total</i>	<i>5,850</i>	<i>27,285</i>	<i>21.44%</i>	<i>45,625</i>	<i>231,400</i>	<i>19.72%</i>

Note 1: The four housing problems are: incomplete kitchen facilities, incomplete plumbing facilities, more than 1 person per room, and cost burden greater than 30%. The four severe housing problems are: incomplete kitchen facilities, incomplete plumbing facilities, more than 1 person per room, and cost burden greater than 50%.

Note 2: All % represent a share of the total population within the jurisdiction or region, except household type and size, which is out of total households.

Note 3: Data Sources: CHAS

Note 4: Refer to the Data Documentation for details ([www.hudexchange.info](http://www.hudexchange.info)).

Table 9 - Demographics of Households with Disproportionate Housing Needs

Disproportionate Housing Needs	(Palm Coast, FL CDBG) Jurisdiction			(Deltona-Daytona Beach-Ormond Beach, FL) Region		
	# with problems	# households	% with problems	# with problems	# households	% with problems
<b>Households experiencing any of 4 housing problems</b>						
<b>Race/Ethnicity</b>						
White, Non-Hispanic	7,120	22,315	31.91%	64,005	194,645	32.88%
Black, Non-Hispanic	1,544	3,309	46.66%	11,015	21,759	50.62%
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Asian or Pacific Islander, Non-Hispanic	173	588	29.42%	1,008	3,458	29.15%
Native American, Non-Hispanic	0	30	0.00%	305	614	49.67%
Other, Non-Hispanic	134	278	48.20%	999	2,502	39.93%
<i>Total</i>	<i>9,665</i>	<i>28,820</i>	<i>33.54%</i>	<i>87,445</i>	<i>243,460</i>	<i>35.92%</i>
<b>Household Type and Size</b>						
Family households, <5 people	5,045	18,400	27.42%	40,570	137,820	29.44%
Family households, 5+ people	905	2,205	41.04%	6,225	14,685	42.39%
Non-family households	3,725	8,209	45.38%	40,640	90,930	44.69%
<b>Households experiencing any of 4 Severe Housing Problems</b>						
<b>Race/Ethnicity</b>						
White, Non-Hispanic	3,390	22,315	15.19%	31,070	194,645	15.96%
Black, Non-Hispanic	913	3,309	27.59%	6,284	21,759	28.88%
Hispanic	345	2,273	15.18%	5,070	20,434	24.81%
Asian or Pacific Islander, Non-Hispanic	59	588	10.03%	508	3,458	14.69%
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Other, Non-Hispanic	100	278	35.97%	635	2,502	25.38%
<i>Total</i>	<i>4,835</i>	<i>28,820</i>	<i>16.78%</i>	<i>43,690</i>	<i>243,460</i>	<i>17.95%</i>

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# Assessment of Fair Housing - Data

## Survey for Local Input

### Two surveys issued

- Local Organizations/groups/providers associated with housing or social service
- General Public – “Non-scientific” survey, announced on social media channels to reach 5,000 people, 84 responses

### Findings (Survey Results)

- No real areas of minority concentration
- No highly concentrated areas of low- to moderate-income households.
- Identified various areas as likelihood of being considered low- to moderate-income neighborhoods Sections P, R, S, the Town Center, areas that were zoned to allow duplex development, and the older neighborhoods of the community.

# Assessment of Fair Housing - Data

## Survey for Local Input

### Findings (Survey Results) – continued

- Leaned toward there not being a need for additional housing opportunities for low-to moderate-income families and the elderly & disabled, there was significant support for the development of additional facilities.
- Public transportation issue is recognized within both surveys. On the other hand, respondents to both surveys leaned toward the opinion that jobs, shopping, and access to services were easily accessible, which seems to be somewhat of a contradiction to the need for public transportation.



# Assessment of Fair Housing - Data

## Survey for Local Input

### Findings (Survey Results) – continued

- Both survey indicate no areas within the community where conflicts existed based upon race, age, or disability. This is a localized and not community-wide issue
- Both surveys indicate need for more education on Fair Housing and home buyer education

# Assessment of Fair Housing- Moving Forward

## Suggested Goals

- Establishment of public education opportunities about Fair Housing
- Expand code enforcement efforts (based on comment from surveys) to protect property values
- Explore possibility of public transportation system

**RESOLUTION 2022-\_\_\_\_**  
**COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG)**  
**ASSESSMENT OF FAIR HOUSING (AFH)**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, APPROVING THE ASSESSMENT OF FAIR HOUSING; AUTHORIZING THE CITY MANAGER OR DESIGNEE TO EXECUTE THE NECESSARY DOCUMENTS AND TO FILE THE DOCUMENT(S) WITH THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD); PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS, PROVIDING FOR IMPLEMENTING ACTIONS, AND AN EFFECTIVE DATE**

**WHEREAS**, the City of Palm Coast (the “City”) participates in the U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant (CDBG) Program as an entitlement jurisdiction; and

**WHEREAS**, a condition of the City’s receipt of U.S. Department of Housing and Urban Development (HUD) funds and pursuant to 24 CFR § 91.225, the City of Palm Coast, as a participating jurisdiction, certifies that it will affirmatively further fair housing; and

**WHEREAS**, such certification serves as the City’s acknowledgment that it accepts the obligation to promote fair housing within its jurisdiction; and

**WHEREAS**, the City carries out its certification by implementing a process to address the following components of the certification by conducting an analysis to identify impediments to fair housing choice within the jurisdiction, taking appropriate action to overcome the effects of any impediments identified through that analysis, and maintaining records reflecting the analysis and actions in this regard, and

**WHEREAS**, the City conducted a survey of various social service organizations as well as a survey that was available to all City of Palm Coast residents to elicit input on Fair Housing issues; and

**WHEREAS**, the Citizens Advisory Task Force (CATF) held a public hearing on January 5, 2022, to hear public testimony from all interested parties on the Assessment of Fair Housing (AFH); and

**WHEREAS**, the CATF has recommended that the City Council approve the AFH; and

**WHEREAS**, the AFH was available for 30-day public comment period from January 27, 2022 through February 25, 2022.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, AS FOLLOWS:**

**SECTION 1. APPROVAL OF THE ASSESSMENT OF FAIR HOUSING.** The City Council of the City of Palm Coast hereby approves the Assessment of Fair Housing, as attached hereto and incorporated herein by reference as Exhibit “A.”

**SECTION 2. AUTHORIZATION TO EXECUTE.** The City Manager, or designee, is hereby authorized to execute the necessary documents.

**SECTION 3. SEVERABILITY.** If any section or portion of a section of this Resolution proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force, or effect of any other section or part of this Resolution.

**SECTION 4. CONFLICTS.** All resolutions or parts of resolutions in conflict with any of the provisions of this Resolution are hereby repealed.

**SECTION 5. IMPLEMENTING ACTIONS.** The City Manager is hereby authorized to take any actions necessary to implement the action taken in this Resolution.

**SECTION 6. EFFECTIVE DATE.** This Resolution shall take effect immediately upon adoption by the City Council.

**DULY PASSED AND ADOPTED** by the City Council of the City of Palm Coast, Florida, on the 15<sup>th</sup> day of March 2022.

*ATTEST:*

**CITY OF PALM COAST**

\_\_\_\_\_  
VIRGINIA A. SMITH, CITY CLERK

\_\_\_\_\_  
DAVID ALFIN, MAYOR

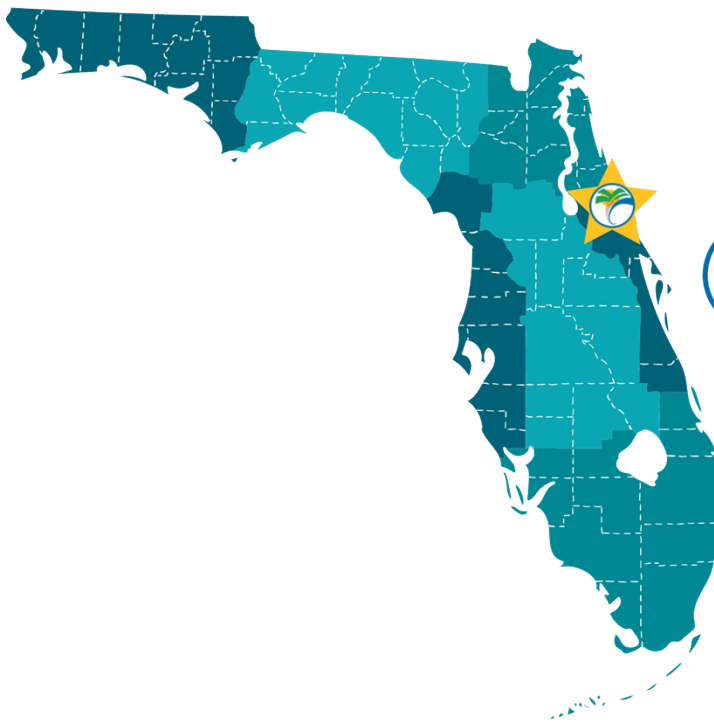
APPROVED AS TO FORM AND LEGALITY:

\_\_\_\_\_  
NEYSA BORKERT, CITY ATTORNEY

Attachment: Exhibit “A” – Assessment of Fair Housing



# Assessment of Fair Housing for Palm Coast, Florida



March 2022

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Date of Adoption

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Signature & Title





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## Assessment of Fair Housing for Palm Coast, Florida

### AFH Process

The City of Palm Coast Florida engaged the Institute for Building Technology and Safety to prepare their Assessment of Fair Housing (AFH). Prior to adoption of the Affirmatively Furthering Fair Housing (AFFH) rule, August 17, 2015, communities have been required by the Department of Housing and Urban Development (HUD) to update their prior Analysis of Impediments to Fair Housing (AI) at least every 5 years. Palm Coast adopted their AI in December of 2016 and, therefore, is at the point that the update needs to be completed. To complete the task IBTS will be utilizing the AFH approach as outlined in [80 Fed. Reg. 42283](#). The AFFH rule is a fair housing planning statute that clarifies existing fair housing obligations for HUD program participants to analyze their fair housing landscape and set locally determined fair housing priorities and goals through AFH. The regulations establish specific requirements for the development and submission of an AFH by program participants. The regulations require the community to establish strategies and goals as set forth in the AFH and incorporate these into subsequent planning documents, including consolidated plans and PHA Plans, in a manner that connects housing and community development policy and investment planning with meaningful actions that affirmatively further fair housing.

### FAIR HOUSING ISSUES, CONTRIBUTING FACTORS, AND GOALS

The approach established by the AFFH rule is designed to improve the fair housing planning process by providing data and greater clarity of the steps that program participants must undertake to

1. Assess fair housing issues and contributing factors,
2. Establish fair housing priorities and goals to address the issues, and
3. take meaningful actions to ultimately affirmatively further fair housing.

The AFFH rule defines the terms fair housing issue, contributing factor, and meaningful actions as follows:

**FAIR HOUSING ISSUE:** “means a condition in a program participant’s geographic area of analysis that restricts fair housing choice or access to opportunity, and includes such conditions as ongoing local or regional segregation or lack of integration, racially or ethnically concentrated areas of poverty, significant disparities in access to opportunity, disproportionate housing needs, and evidence of discrimination or violations of civil rights law or regulations related to housing.” See 24 C.F.R. § 5.152

**CONTRIBUTING FACTOR:** “means a factor that creates, contributes to, perpetuates, or increases the severity of one or more fair housing issues. Goals in an AFH are designed to overcome one or more contributing factors and related fair housing issues as provided in § 5.154.” See 24 C.F.R. § 5.152.

**MEANINGFUL ACTIONS:** “means significant actions that are designed and can be reasonably expected to achieve a material positive change that affirmatively furthers fair housing by, for example, increasing fair housing choice or decreasing disparities in access to opportunity.” See 24 C.F.R. § 5.152.



## FAIR HOUSING PLANNING UNDER THE AFFH RULE

The intent of fair housing planning is to help program participants determine whether policies, practices, programs, and activities restrict fair housing choice and access to opportunity, and, if so, assess what factors are contributing to these barriers, and then develop a plan for addressing these restrictions. See 80 Fed. Reg. 42283 (July 16, 2015).

The fair housing planning process that IBTS will undertake includes the following steps:

1. **Ensure Community Participation.** To ensure the AFH is informed by meaningful community participation, the public will be given reasonable opportunities for involvement throughout the AFH planning process, including in the development of the AFH and in the incorporation of the AFH into subsequent planning documents.
2. **Assess Fair Housing Issues.** Identify and discuss the fair housing issues affecting those protected under the Fair Housing Act, based on an assessment of HUD-provided data, local data, and local knowledge. These fair housing issues include, among others:
  - a. Ongoing local or regional segregation or lack of integration based on race, color, religion, sex, familial status, national origin, and disability within the jurisdiction and region;
  - b. Racially or ethnically concentrated areas of poverty (R/ECAPs) within the jurisdiction and region;
  - c. Significant disparities in access to opportunity for any protected class within the jurisdiction and region; and
  - d. Disproportionate housing needs for any protected class within the jurisdiction and region.
3. **Identify Contributing Factors.** The AFH will identify significant contributing factors for the fair housing issues of segregation, racially or ethnically concentrated areas of poverty, disparities in access to opportunity, disproportionate housing needs, and fair housing issues related to publicly supported housing, disability and access, and fair housing enforcement, outreach capacity, and resources.
4. **Prioritize Contributing Factors.** Prioritize such factors and justify the prioritization. In prioritizing such factors, IBTS will give highest priority to those factors that limit or deny fair housing choice or access to opportunity, or negatively impact fair housing or civil rights compliance.
5. **Set Fair Housing Goals.** Set goals for overcoming the effects of contributing factors. For each goal, IBTS will identify one or more contributing factors that the goal is designed to address, describe how the overall goal relates to overcoming the identified contributing factor(s) and related fair housing issue(s), and identify the metrics and milestones for determining what fair housing results will be achieved. To implement goals and priorities set in an AFH, strategies and action will be available for incorporation into the Palm Coast Consolidated Plan, Annual Action Plan, and PHA Plans (as applicable). The fair housing goals will include metrics, milestones, and timeframe for achievement and, thereby, promote achieving of fair housing outcomes.

The outcomes that HUD seeks from development of the AFH are:

1. Overcoming historic patterns of segregation, promoting fair housing choice, and
2. Fostering inclusive communities that are free from discrimination.



HUD does not mandate specific outcomes for the AFH planning process. Instead, recognizing the importance of local decision making, the process establishes basic parameters and will help guide public sector housing and community development planning and investment decisions to fulfill the obligation to affirmatively further fair housing.

The community participation process IBTS will utilize will include residents, and other interested members of the public, in the Palm Coast area, and not just those of city officials of Palm Coast. The public will be provided reasonable opportunities for involvement in the development of the AFH and in the incorporation of the AFH into community planning documents. This involvement is aimed at assisting in achieving an inclusive fair housing planning process where community members, community-based organizations, and program participants can contribute to the development of the AFH, as well as plans and activities to achieve fair housing goals specified in the AFH. Community participation in the development of the AFH will allow for the consideration of the views and recommendations of the community into the other community planning documents. It should be noted that the community participation process that will occur during the development of the AFH does not replace the required community participation in subsequent planning processes.

### **Targeted Citizen Participation Outreach Efforts**

To assist in achieving citizen participation in the development of the AFH, a status report will be prepared on accomplishments as outlined in the December 2016 Analysis of Impediments to Fair Housing Choice (AI). The status report will include the download and analysis of the differences between the current maps from the HUD web site and those that were included in the December 2016 AI. The status report will assist in the development of a list of questions for consideration by the organizations that participated in development of the AI, as well as a complementary survey available to citizens, at large. The stakeholders include organizations that assist typically unrepresented populations such as those that are limited English proficient or persons with disabilities. Based upon the results of the status report additional organizations may be included as follow-up contacts. The primary means of communication with these groups will be through email with some limited follow-up through phone calls. The City's web site will incorporate a page devoted to fair housing issues. Built into the web site will be a survey that will allow citizens an opportunity for input. It should be noted that, in keeping with the goal of obtaining public input into the AFH plan, public documents will be developed in English and Spanish. Upon completion of the survey outreach efforts, a public hearing will be conducted by the Citizens Advisory Task Force. The hearing will allow the public to review feedback received through the outreach efforts as well as seek additional feedback on potential goals and priorities to be included within the AFH document. The meeting will be posted on the City of Palm Coast website and marketed through the Palm Coast social platforms. The draft AFH document was posted on the City's web site for public comment from January 27<sup>th</sup> through February 25<sup>th</sup>. The Palm Coast Observer also advertised that the City of Palm Coast was accepting public comments during that time period. No comments were received. The plan will be presented to the City Council at a Council workshop and will be scheduled for adoption at a March City Council meeting. Final comments from the Council meeting will be incorporated into the final document and posted on the City's web site.





## General Overview for Utilization of the HUD Provided Assessment Tool

As a guide to assist communities with the preparation of their Assessment of Fair Housing (AFH), HUD provides access to an Assessment Tool. The Assessment Tool conveys the required analysis and content for an AFH to meet the fair housing planning requirements set forth in 24 C.F.R. §§ 5.150 through 5.180. The Assessment Tool guides program participants through an assessment of key fair housing issues and contributing factors in their jurisdictions and regions, including what data to use in the assessment. It also guides program participants through the process of setting meaningful fair housing goals and priorities. Generally, an AFH will include:

- Summary of fair housing issues and capacity;
- Analysis of HUD-provided data, local data, and local knowledge;
- Assessment of fair housing issues and contributing factors; and
- Identification of fair housing priorities and goals.

A key component of the Assessment Tool is the instructions, which describe the HUD provided data sources program participants must use. Certain HUD-provided data may have limitations, including limitations in how they apply to geographic areas with different characteristics (e.g., rural, urban, suburban, majority/minority areas). For this reason, program participants must supplement the HUD-provided data with local data and local knowledge.

The AFFH rule requires the analysis of data to complete the Assessment of Fair Housing. Program participants must use HUD-provided data and must supplement this data with local data and local knowledge as more fully explained in the Assessment Tool Instructions. HUD provides maps and tables to be used in completing the Assessment Tool. The maps can be utilized to visualize data and their tables help to display and represent the data contained in the maps. A key contribution from incorporating an active citizen participation role in the development of an AFH is in providing the local perspective to augment the mapping and data collection remotely completed by HUD.

### Citizen Participation Partners

As previously discussed, the list of community organizations that participated with the City on the 2016 AI study will be expanded. In addition to the anticipated on-line survey that will allow all citizens an opportunity to participate in the AFH, the following specific organizations with an understanding of the community and its neighborhoods were asked to partner with the City of Palm Coast by providing their perspective on Fair Housing within the community:

1. Mid-Florida Housing Partnership
2. Flagler County NAACP
3. Flagler County Housing Authority
4. Northeast Florida Community Action Agency
5. Community Legal Services of Mid Florida





6. Flagler Cares
7. Habitat for Humanity
8. Family Matters of Flagler, Inc.
9. ElderSouce Aging and Disability Resource Center
10. disAbility Solutions
11. Family Life Center
12. Bank of America
13. Palm Coast Citizens Advisory Task Force
14. Flagler County Housing Task Force Affordable Housing Advisory Council
15. Flagler County Association of REALTORS

## DEMOGRAPHIC TRENDS IN PALM COAST AND ITS EFFECTS ON FAIR HOUSING

### General Demographic Information

Palm Coast is a city located in Flagler County Florida. It is the 28<sup>th</sup> largest city in Florida and is growing at a rate of 2.33% annually with an increase of over 25% since the 2010 US Census. According to American Community Survey (ACS) Data the average household income in Palm Coast is \$67,752 with a poverty rate of 12.3%. ACS also reports a median age in Palm Coast of 49.4 years with the median for males being 48.5 years and 50.3 years for females. The population is predominately White with 79.7% of the population. Black or African American is the next largest race within the community being represented by 11.5%.

ACS Palm Coast, FL Demographic Info	
Race	Percentage
White	79.7%
Black or African American	11.5%
Asian	3.0%
Other Race	3.0%
Two or more Races	2.4%
Native American	0.3%
Native Hawaiian or Pacific Islander	0.1%
Total	100.0%

**Segregation/Integration.** The HUD-provided table shown below provides a “dissimilarity index,” which provides a measurement of segregation and integration. Values between 0 and 39 generally indicate low segregation, values between 40 and 54 generally indicate moderate segregation and values between 55 and 100 generally indicate a high level of segregation. As provided on the Table below, the City of Palm Coast continues to show a low level of segregation and there is no trend to indicate that segregation of races is or will be an issue in Palm Coast.





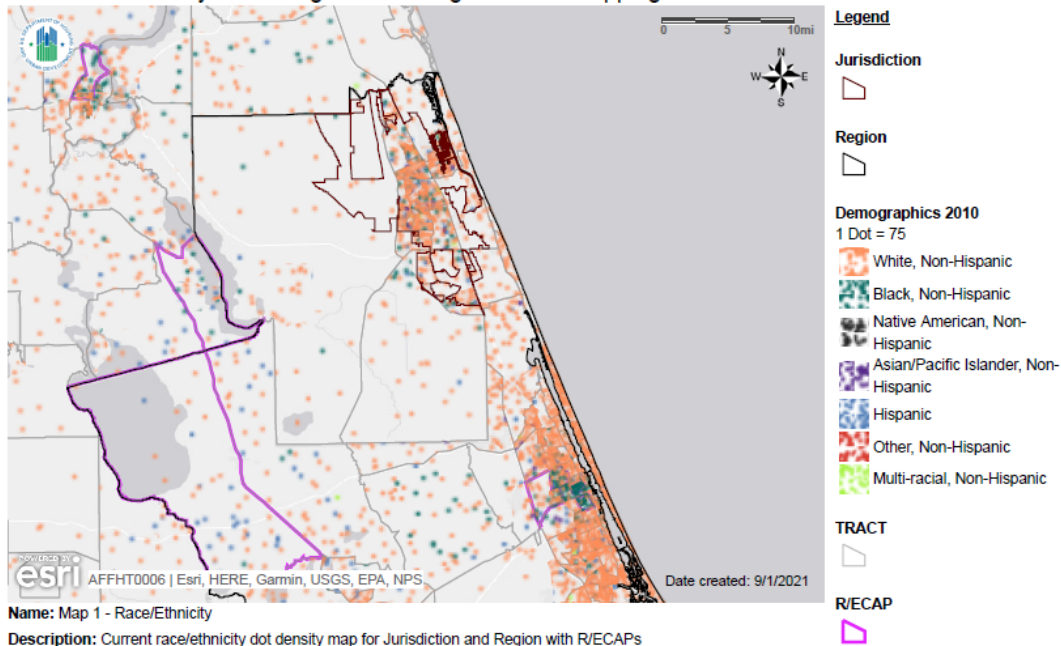


	(Palm Coast, FL CDBG) Jurisdiction				(Deltona-Daytona Beach-Ormond Beach, FL) Region			
Racial/Ethnic Dissimilarity Index	1990 Trend	2000 Trend	2010 Trend	Current	1990 Trend	2000 Trend	2010 Trend	Current
Non-White/White	24.77	14.01	12.94	14.44	47.63	40.82	37.52	41.09
Black/White	35.93	19.60	15.74	17.35	64.57	53.91	47.20	50.20
Hispanic/White	9.58	15.13	12.56	13.92	40.80	41.88	40.05	42.21
Asian or Pacific Islander/White	8.15	12.06	10.82	13.52	24.10	21.65	22.87	29.05

Note 1: Data Sources: Decennial Census  
 Note 2: Refer to the Data Documentation for details ([www.hudexchange.info/resource/4848/affh-data-documentation](http://www.hudexchange.info/resource/4848/affh-data-documentation)).

**Racially/Ethnically Concentrated Areas of Poverty (R/ECAPs).** A review of map information from the HUD Affirmatively Furthering Fair Housing Data and Mapping Tool indicates that there are no Racially/Ethnically Concentrated Areas of Poverty (R/ECAPs) within the City of Palm Coast. This finding remains consistent with previous analysis of R/ECAPs as provided in the 2016 Analysis of Impediments to Fair Housing Choice. Additionally, as shown on the map below, there are no RECAs within Flagler County.

HUD Affirmatively Furthering Fair Housing Data and Mapping Tool



**Name:** Map 1 - Race/Ethnicity  
**Description:** Current race/ethnicity dot density map for Jurisdiction and Region with R/ECAPs  
**Jurisdiction:** Palm Coast (CDBG)  
**Region:** Deltona-Daytona Beach-Ormond Beach, FL  
**HUD-Provided Data Version:** AFFHT0006





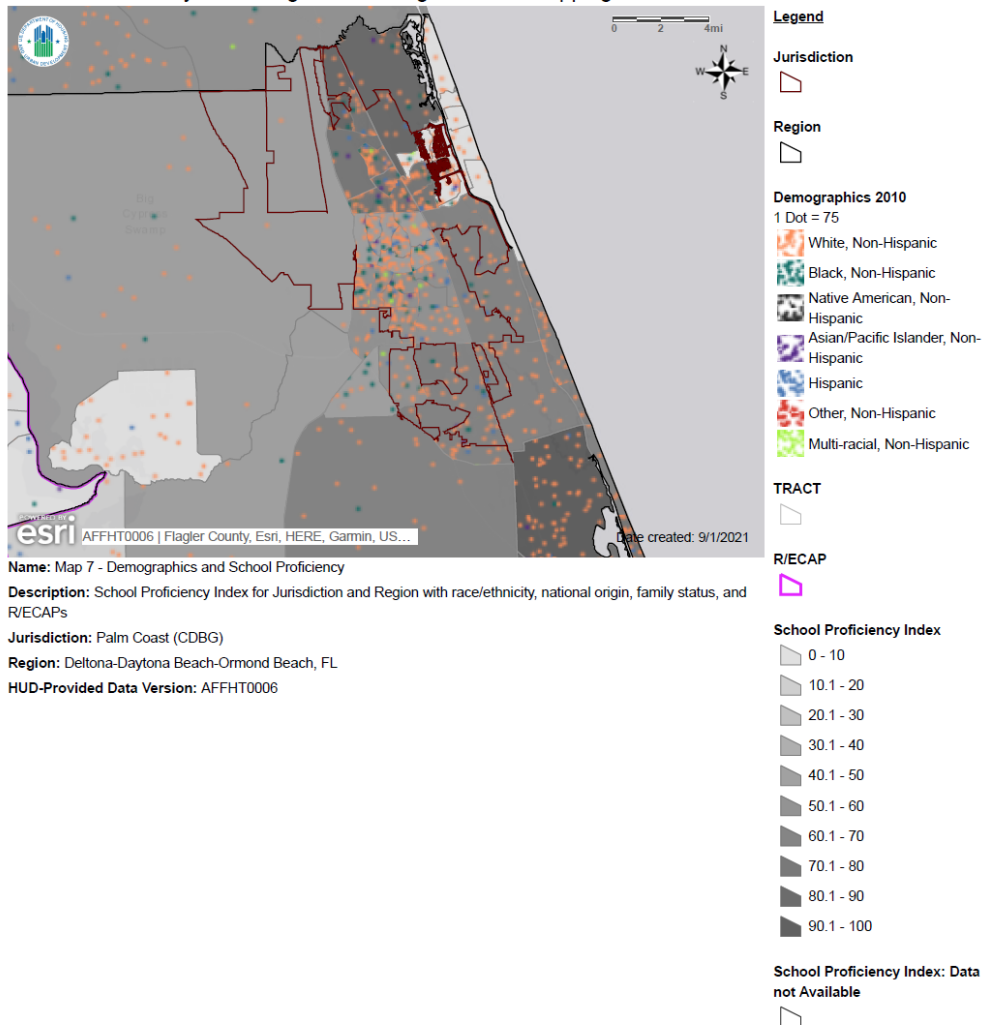
**Disparities in access to opportunities.**

School Proficiency Index

One measure of access to opportunities is the quality of school system that is available in a community. As measured in the map below the school proficiency index is a measure of schools based on the percent of 4th grade students proficient in reading (*r*) and math (*m*) on state test scores for up to three schools (*i*=1,2,3) within 1.5 miles of the block-group centroid. As provided below, the higher the index, the higher the proficiency of school system in the neighborhood.

The school proficiency rating for the block groups in the City ranged from 49 to 84 and remains comparable with school proficiency ratings for the City in 2016.

HUD Affirmatively Furthering Fair Housing Data and Mapping Tool



**Name:** Map 7 - Demographics and School Proficiency  
**Description:** School Proficiency Index for Jurisdiction and Region with race/ethnicity, national origin, family status, and R/ECAPs  
**Jurisdiction:** Palm Coast (CDBG)  
**Region:** Deltona-Daytona Beach-Ormond Beach, FL  
**HUD-Provided Data Version:** AFFHT0006

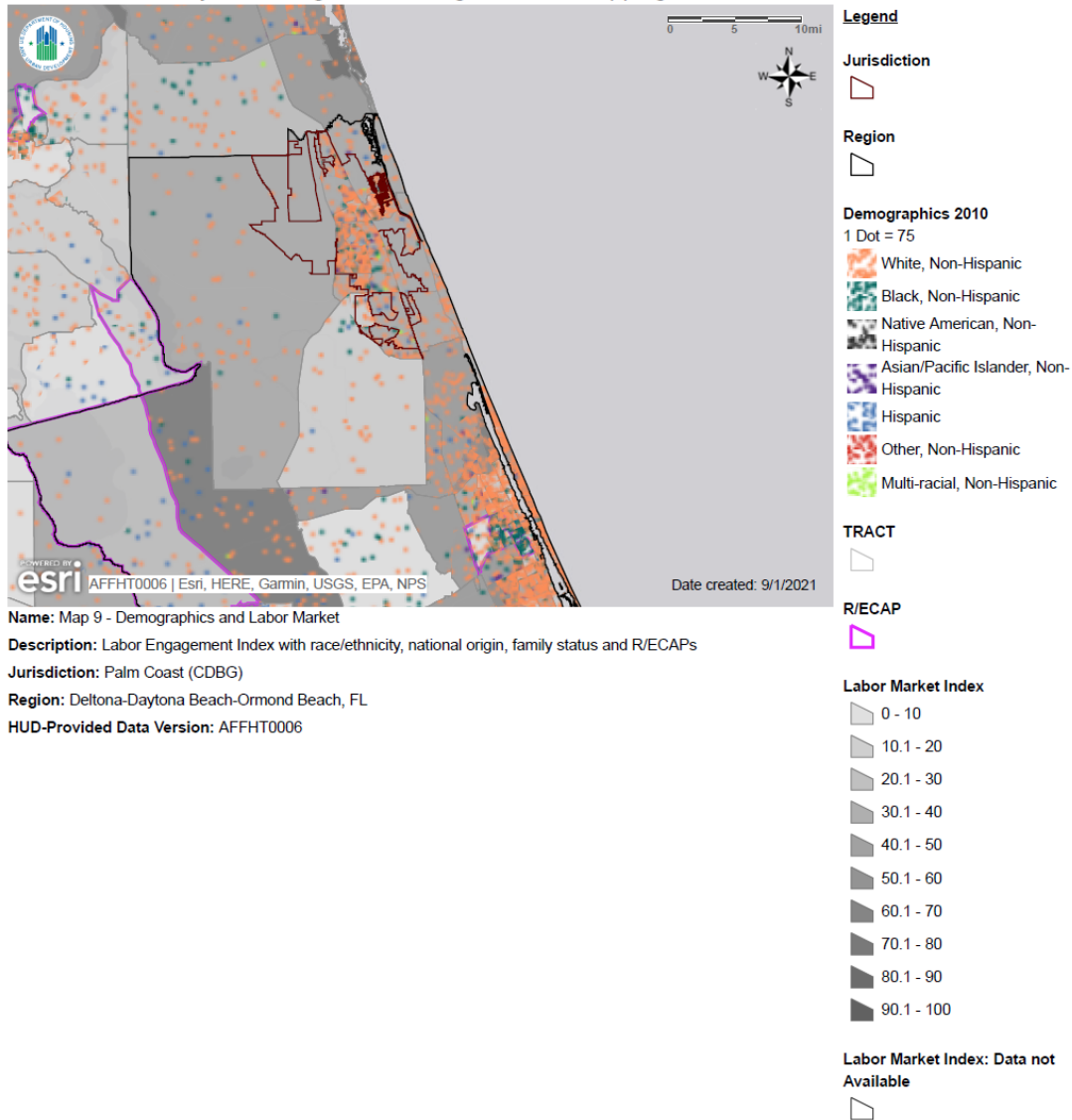




**Labor Market Index**

Another measure of opportunity is the labor market index, similar to the school proficiency index, the higher index number indicates better conditions. The labor market index measures labor force participation and human capital in the neighborhood. As shown below, the labor market index for the city ranges from 10 to 56. In the 2016 report, most City households were in the 50-60 range. Further review of labor market index based on race/ethnicity does not indicate a skewing towards one race or another (see below Table 12, Opportunity Indicators by Race/Ethnicity).

HUD Affirmatively Furthering Fair Housing Data and Mapping Tool





### **Opportunity Indicators by Race/Ethnicity.**

In Table 12, HUD analyses various Census data results to determine the likelihood of segregation in the neighborhoods of the communities within the US. In this table comparisons are made between Palm Coast and the Deltona-Daytona Beach-Ormond Beach area. The values are ranked nationally with the values ranging from 0 – 100. Generally, the higher the score, the less exposure to the given indicator. With the Low Poverty index, it can be observed that the total population by race/ethnicity is near the national average. For the below poverty population, it should be noted that the index for Hispanics and Native Americans is lower than the population. Due to the relatively low percentage of population these two groups may be reflecting an anomaly for the indicator. Non the less this is an area that should be observed over time as there may be a concern for segregation. On the other hand, it is interesting to note that the scoring for Asian/Pacific Islanders below poverty had an increase in their index meaning there may be less of a segregation concern within that population than for the total population of that race. Again, keep in mind the effects that can occur with groups representing a low percentage of the population.

For the School Proficiency Index, the HUD provided information is based upon the performance of 4<sup>th</sup> grade students based upon test scores in reading and math. These scores indicate Palm Coast 4<sup>th</sup> grade students are performing above the national average. It is also good to note the proficiency of the students that are below the poverty line. There was a very slight drop-off within the Asian/Pacific Islanders and a larger drop among the Native Americans. Considering the scoring increases seen by other racial/ethnic groups in this category, these lower scores may be attributed to a relatively smaller group of students that may have experienced an off day during testing. Again, the community may want to explore this further and keep an eye on the scores in future years to see if they rebound.

The Labor Market Index shown in Table 12 is based upon the level of employment, labor force participation and educational attainment. Of minor concern with the labor market index is the slightly lower rating for Hispanics living below poverty. More of a concern would be the larger drop-off within the Native American population living below poverty.

The transit Index measures the use of public transportation. The numbers here are significantly lower than the national averages and can be attributed to:

1. The smaller population base. Palm Coast with a population of about 90,000 residents is in that category that makes it difficult to support public transportation.
2. Access to personal vehicles and the ease in being able to travel throughout the community.

The Low Transportation Cost Index in comparison to the national average can be attributed to the shorter commute times experienced by residents of this smaller community vs. larger, more metropolitan communities. There are no appreciable differences between the various races/ethnic backgrounds or income status.



The low Jobs Proximity Index is, again, attributable to the size of the community and the relative ease residents have in getting to their jobs than residents of larger metropolitan communities. There are no appreciable differences between the various races/ethnic backgrounds or income status.

The Environmental Health Index scores are significantly higher than the national average indicating that Palm Coast residents have a lower exposure rate to toxins harmful to human health. There are no appreciable differences between the various races/ethnic backgrounds or income status.

**Table 12 - Opportunity Indicators, by Race/Ethnicity**

(Palm Coast, FL CDBG) Jurisdiction	Low Poverty Index	School Proficiency Index	Labor Market Index	Transit Index	Low Transportation Cost Index	Jobs Proximity Index	Environmental Health Index
<b>Total Population</b>							
White, Non-Hispanic	47.00	54.07	32.18	5.14	11.53	24.25	61.11
Black, Non-Hispanic	42.90	57.59	32.26	3.70	11.43	23.97	60.52
Hispanic	44.61	57.59	31.90	3.48	11.49	23.24	60.82
Asian or Pacific Islander, Non-Hispanic	46.55	54.64	33.10	4.44	11.38	23.01	60.91
Native American, Non-Hispanic	44.74	57.02	31.52	4.34	11.38	22.61	60.84
<b>Population below federal poverty line</b>							
White, Non-Hispanic	43.10	56.36	31.82	4.73	11.94	25.78	59.99
Black, Non-Hispanic	42.29	57.71	32.73	4.85	11.46	26.86	59.07
Hispanic	39.63	65.56	27.56	1.62	12.53	26.07	60.47
Asian or Pacific Islander, Non-Hispanic	50.30	52.19	35.36	2.05	8.30	14.75	62.13
Native American, Non-Hispanic	25.00	28.99	10.00	63.00	14.00	52.29	60.00
<b>(Deltona-Daytona Beach-Ormond Beach, FL) Region</b>							
<b>Total Population</b>							
White, Non-Hispanic	47.72	48.96	35.39	27.08	17.54	43.69	52.28
Black, Non-Hispanic	29.32	34.65	22.46	30.31	22.50	58.31	48.32
Hispanic	40.42	40.86	31.33	15.84	15.45	31.32	46.72
Asian or Pacific Islander, Non-Hispanic	48.07	48.76	37.62	24.92	18.05	45.98	49.75
Native American, Non-Hispanic	42.11	43.15	32.34	28.74	19.01	44.93	51.22
<b>Population below federal poverty line</b>							
White, Non-Hispanic	41.67	44.59	31.99	32.11	20.43	49.21	52.13
Black, Non-Hispanic	23.40	30.61	17.56	37.41	24.83	67.37	47.26
Hispanic	36.91	37.37	30.55	19.71	18.32	39.31	46.10
Asian or Pacific Islander, Non-Hispanic	44.22	34.54	33.91	25.36	21.17	49.55	49.65
Native American, Non-Hispanic	26.89	40.80	21.75	34.22	23.23	59.70	54.87

Note 1: Data Sources: Decennial Census; ACS; Great Schools; Common Core of Data; SABINS; LAI; LEHD; NATA  
 Note 2: Refer to the Data Documentation for details ([www.hudexchange.info/resource/4848/affh-data-documentation](http://www.hudexchange.info/resource/4848/affh-data-documentation)).

### Households with Disproportionate Housing Needs.

In comparing the Disproportionate Housing Needs from the 2016 AI to the currently available data, there is a noticeable decrease in the total households that experience any of 4 housing problems. The current available data shows that 33.54% of households experience any of the 4 housing problems compared to 41.27% of households in the data available for the 2016 report. This reduction is similarly reflected based on race or ethnicity.

An analysis of the data for households experiencing any of 4 severe housing problems, also showed a similar decrease in households who experience any of the 4 severe housing problems.





## Available Data for 2021 Study

Table 9 - Demographics of Households with Disproportionate Housing Needs

Disproportionate Housing Needs	(Palm Coast, FL CDBG) Jurisdiction			(Deltona-Daytona Beach-Ormond Beach, FL) Region		
Households experiencing any of 4 housing problems	# with problems	# households	% with problems	# with problems	# households	% with problems
<b>Race/Ethnicity</b>						
White, Non-Hispanic	7,120	22,315	31.91%	64,005	194,645	32.88%
Black, Non-Hispanic	1,544	3,309	46.66%	11,015	21,759	50.62%
Hispanic	673	2,273	29.61%	10,115	20,434	49.50%
Asian or Pacific Islander, Non-Hispanic	173	588	29.42%	1,008	3,458	29.15%
Native American, Non-Hispanic	0	30	0.00%	305	614	49.67%
Other, Non-Hispanic	134	278	48.20%	999	2,502	39.93%
<b>Total</b>	<b>9,665</b>	<b>28,820</b>	<b>33.54%</b>	<b>87,445</b>	<b>243,460</b>	<b>35.92%</b>
<b>Household Type and Size</b>						
Family households, <5 people	5,045	18,400	27.42%	40,570	137,820	29.44%
Family households, 5+ people	905	2,205	41.04%	6,225	14,685	42.39%
Non-family households	3,725	8,209	45.38%	40,640	90,930	44.69%
Households experiencing any of 4 Severe Housing Problems	# with severe problems	# households	% with severe problems	# with severe problems	# households	% with severe problems
<b>Race/Ethnicity</b>						
White, Non-Hispanic	3,390	22,315	15.19%	31,070	194,645	15.96%
Black, Non-Hispanic	913	3,309	27.59%	6,284	21,759	28.88%
Hispanic	345	2,273	15.18%	5,070	20,434	24.81%
Asian or Pacific Islander, Non-Hispanic	59	588	10.03%	508	3,458	14.69%
Native American, Non-Hispanic	0	30	0.00%	135	614	21.99%
Other, Non-Hispanic	100	278	35.97%	635	2,502	25.38%
<b>Total</b>	<b>4,835</b>	<b>28,820</b>	<b>16.78%</b>	<b>43,690</b>	<b>243,460</b>	<b>17.95%</b>
<p>Note 1: The four housing problems are: incomplete kitchen facilities, incomplete plumbing facilities, more than 1 person per room, and cost burden greater than 30%. The four severe housing problems are: incomplete kitchen facilities, incomplete plumbing facilities, more than 1 person per room, and cost burden greater than 50%.</p> <p>Note 2: All % represent a share of the total population within the jurisdiction or region, except household type and size, which is out of total households.</p> <p>Note 3: Data Sources: CHAS</p> <p>Note 4: Refer to the Data Documentation for details (<a href="http://www.hudexchange.info/resource/4848/affh-data-documentation">www.hudexchange.info/resource/4848/affh-data-documentation</a>).</p>						







## From 2016 Study

Table 9 - Demographics of Households with Disproportionate Housing Needs

Disproportionate Housing Needs	(Palm Coast, FL CDBG) Jurisdiction			(Deltona-Daytona Beach-Ormond Beach, FL CBSA) Region		
	# with problems	# households	% with problems	# with problems	# households	% with problems
<b>Households experiencing any of 4 housing problems*</b>						
<b>Race/Ethnicity</b>						
White, Non-Hispanic	7,700	20,790	37.04%	67,235	187,185	35.92%
Black, Non-Hispanic	1,960	3,334	58.79%	11,010	20,250	54.37%
Hispanic	1,085	2,009	54.01%	10,125	18,279	55.39%
Asian or Pacific Islander, Non-Hispanic	215	594	36.20%	1,065	2,764	38.53%
Native American, Non-Hispanic	55	90	61.11%	289	649	44.53%
Other, Non-Hispanic	240	445	53.93%	1,105	2,260	48.89%
<i>Total</i>	<i>11,260</i>	<i>27,285</i>	<i>41.27%</i>	<i>90,830</i>	<i>231,400</i>	<i>39.25%</i>
<b>Household Type and Size</b>						
Family households, <5 people	6,245	17,724	35.23%	43,920	133,774	32.83%
Family households, 5+ people	1,250	2,015	62.03%	7,815	14,180	55.11%
Non-family households	3,765	7,545	49.90%	39,100	83,440	46.86%
<b>Households experiencing any of 4 Severe Housing Problems**</b>	<b># with severe problems</b>	<b># households</b>	<b>% with severe problems</b>	<b># with severe problems</b>	<b># households</b>	<b>% with severe problems</b>
<b>Race/Ethnicity</b>						
White, Non-Hispanic	3,679	20,790	17.70%	32,025	187,185	17.11%
Black, Non-Hispanic	1,360	3,334	40.79%	6,685	20,250	33.01%
Hispanic	540	2,009	26.88%	5,480	18,279	29.98%
Asian or Pacific Islander, Non-Hispanic	95	594	15.99%	605	2,764	21.89%
Native American, Non-Hispanic	55	90	61.11%	224	649	34.51%
Other, Non-Hispanic	125	445	28.09%	615	2,260	27.21%
<i>Total</i>	<i>5,850</i>	<i>27,285</i>	<i>21.44%</i>	<i>45,625</i>	<i>231,400</i>	<i>19.72%</i>

Note 1: The four housing problems are: incomplete kitchen facilities, incomplete plumbing facilities, more than 1 person per room, and cost burden greater than 30%. The four severe housing problems are: incomplete kitchen facilities, incomplete plumbing facilities, more than 1 person per room, and cost burden greater than 50%.

Note 2: All % represent a share of the total population within the jurisdiction or region, except household type and size, which is out of total households.

Note 3: Data Sources: CHAS

Note 4: Refer to the Data Documentation for details ([www.hudexchange.info](http://www.hudexchange.info)).





## Analysis of Local Demographic Trends

From the Palm Coast 2020 Annual Report the community has continued significant growth with population growth of more than 8,250 residents from 2016 to 2020 with continued growth expected through 2040.

**FIGURE 1.2 – BUREAU OF ECONOMIC BUSINESS RESEARCH POPULATION ESTIMATES AND GROWTH**

	2016	2017	2018	2019	2020
Population	81,184	82,760	84,575	86,768	89,437
Growth Rate	2.27%	1.71%	2.19%	2.59%	3.08%

### RATES TABLE

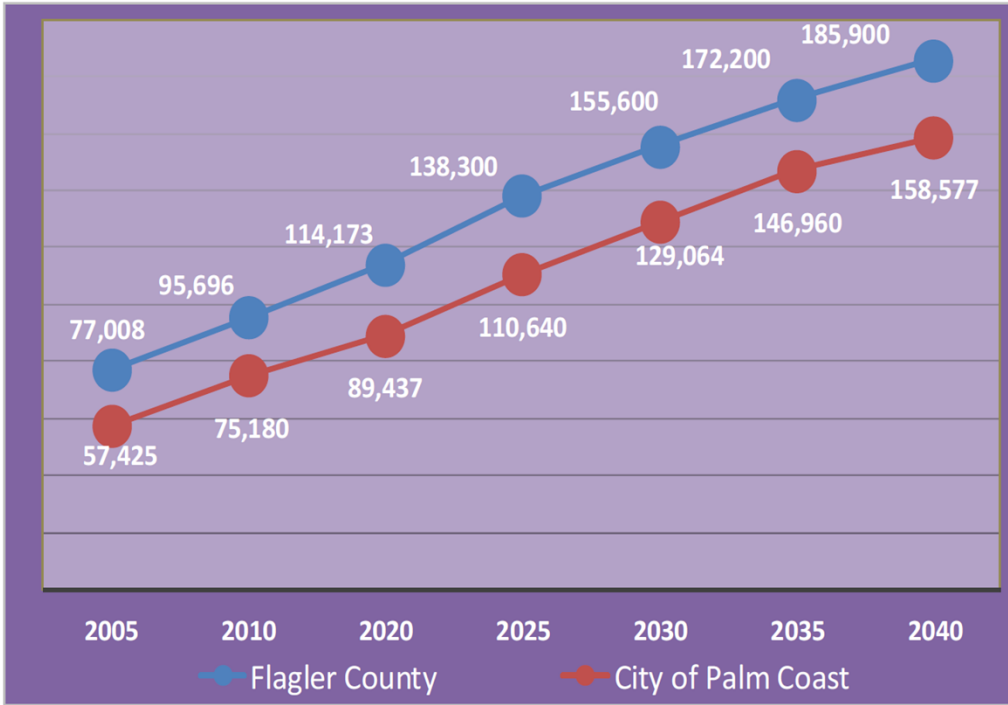
Based on the BEBR population projections for Flagler County (Medium Projection), the City can generate population projections as a share of the County projections. The population projection indicates that by 2040, the City's population will double to about 158,577. These projections have been adjusted based on BEBR projections as noted in the footnotes below (See Figure 1.3 and 1.4 below).

**FIGURE 1.3 – BEBR POPULATION PROJECTIONS TABLE (with 5-year Growth Rates)**

	2020*	2025**	2030**	2035**	2040**
County Population Projection*	114,173	138,300	155,600	172,200	185,900
City Population Projection***	89,437	110,640	129,064	146,960	158,577
City Growth Rate	12.05%	23.71%	16.65%	13.87%	7.90%
*2020 BEBR Population Estimates					
**2025-2040 Flagler County Population Projection is Medium BEBR Projections (Volume 49, Bulletin 174, January 2016) adjusted to mid-year (as consistent with Comprehensive Plan-Water Supply Plan)					
*** Assumes % of total Flagler County Population Projections					



FIGURE 1.4 – POPULATION ESTIMATES/PROJECTIONS CHART



A closer look at the community demographics shows a shift occurring with an aging of the population.



**FIGURE 1.1 – GENERAL DEMOGRAPHICS TABLE**

	City of Palm Coast		Florida
	5-Year American Community Survey (2006-2010)	5-Year American Community Survey (2015-2019)	5-Year American Community Survey (2015-2019)
% of Population Under 18 Years	21.30%	18.1%	20.0%
% of Population 65 Years and over	21.8%	28.2%	20.1%
Median Age	44.4	49.4	42
Average Household Size	2.51	2.71	2.65
Median Household Income	\$48,042	\$54,360	\$55,660
Per Capita Income	\$23,044	\$26,916	\$31,619
Families Below Poverty Level	8.70%	8.70%	8.9%
Household Units	27,184	31,683	7,736,311
Tenure of All Occupied Housing Units (Owner Occupied)	85.9%	74.3%	65.4%

As could be expected with population gain of more than 8,250 since 2016, the expansion of the community’s housing market has shown a marked increase, as well. Records show a gain of just over 3,700 housing units from 2017 – 2020. It should be noted that 76% of these new units were single-family detached homes. 13% of the units were single-family attached homes (Townhome/Duplex). Another 11% of the units constructed during that period were multi-family units. While on the one hand, the mix of housing might seem out of balance, it needs to be recognized that 74.3% of the community’s housing stock is owner-occupied. On the other hand, development of additional rental units is being planned with development orders approved for nearly 475 multi-family dwelling units that could be constructed within the next few years. These new multi-family properties, when constructed, could help to avert the demand for rental units within the community. It should also be pointed out based upon information provided by the City of Palm Coast that 233 of the 411 (nearly 60%) multi-family housing units constructed in 2020 utilized the federal government’s Low-Income Housing Tax Credit (LITC) program. In exchange for obtaining the tax credits, developers are required to provide assurance that rents will be affordable to lower-income households.





**FIGURE 2.1 — RESIDENTIAL CONSTRUCTION COMPLETED TABLE (2016–2020)**

	2016	2017	2018	2019	2020
Single-Family Detached Dwelling Units	356	555	623	736	918
Single-Family Attached Dwelling Units (Townhome/Duplex)	6	16	96	168	196
Multi-Family Dwelling Units	0	0	0	0	411
Total Dwelling Units	362	571	719	904	1525

In addition to these construction activities, the City of Palm Coast has provided information concerning the use of its Community Development Block Grant (CDBG) program and the State of Florida’s State Housing Initiatives Partnership program (SHIP). Both programs provide activities for housing assistance to lower-income households. CDBG funds are administered through the city, while the SHIP program is administered through Flagler County. Through the city’s CDBG program there were 50 owner-occupied single-family homes that were assisted from 2017 – 2020 with the home’s rehabilitation needs to bring it up to a standard condition.

Within the city limits of Palm Coast Flagler County’s SHIP program assistance was provided to 115 households between 2017 – 2020 through several different activities.



<b>Flagler County SHIP Housing Activity between 2017 - 2020</b>	
<b>Program</b>	<b># of Units</b>
Down Payment Assistance	58
Owner-Occupied Housing Rehabilitation	10
Rental Assistance	2
Foreclosure Assistance	4
Rapid Rehousing	4
Disaster Assistance Repairs	37
<b>Total</b>	<b>115</b>

While developing diverse and inclusive neighborhoods is a desirable goal, it needs to be recognized that rarely does housing development occur without an interrelationship with other development within a community. Convenience of goods and services are necessary amenities to serve the needs of an active, growing community. Without a good mix of business within a community, residents learn to depend upon nearby communities to meet their daily needs. When families realize how much of their time and money is spent in travel to outlying communities, it can lead to relocation to those communities.

Growth of business opportunities within the community also provides job opportunities for residents that help families with the income they need to support their households. It's often said that non-residential development is dependent upon rooftops. If there's not enough people living within a community, there will not be an economic reason to invest and locate within that community. Each successful non-residential venture has their own metrics that they examine to determine their likelihood of success. If there's not enough residents (rooftops), there won't be enough customers to create the activity necessary to generate the needed customers, clients or patients, etc. to justify the needed investment. From industry's point of view, are there enough willing workers with the necessary skills to support the operation, coupled with the access to markets and cost of doing business? Summarizing, residential growth is dependent upon non-residential growth and visa-versa. Both thrive when done in tandem with each other.

Looking, again, at the City of Palm Coast's 2020 Annual Report, it appears the community is vibrant from the standpoint of its non-residential development. During the COVID -19 pandemic year of 2020 the city issued Certificates of Occupancy (CO) (indicating the construction activity had reached the point where it met all applicable building code requirements) on a total of 112,281 square feet of non-residential space. This construction activity was an increase over the 22,091 square feet completed in 2019.







FIGURE 3.1 – NON-RESIDENTIAL CONSTRUCTION COMPLETED TABLE (2020)

Map ID #	Project Name	TAZ	Sq. Ft.	Description
1	Storquest Office Building	20	1,074	Office Building
1	Storquest Self-Storage	20	56,408	Self-Storage Complex
2	Dollar General	25	10,556	Retail (General)
3	Pine Lakes Animal Hospital	33	6,905	Veterinary Office
4	O'Reillys	50	7,228	Retail (Auto Parts)
5	Suntrust Bank	42	3,406	Bank
6	Coastal Rehabilitation	44	2,992	Medical Office Building
7	Alamo Phase 2	62	7,500	Office Building
8	Central Landings Clubhouse	86	2,676	Amenity Center
9	The Palms Clubhouse	86	4,614	Amenity Center
10	Wawa Convenience Store	86	6,119	Convenience Store/Gas Station
11	Popeye's	88	2,503	Restaurant
12	Flagler Beach Water Treatment Plant	114	300	Electrical Building
<b>Summary of Non-Residential Building Construction Completed in 2020</b>			<b>112,281</b>	<b>Sq. Ft. of non-residential</b>

Building permits issued reflect the anticipated growth for not only the year issued, but also for the next 1 – 3 years. A look at non-residential permits issued during 2020 indicate an anticipated construction of an additional 170,927 square feet of non-residential construction.



**FIGURE 3.5 – NON-RESIDENTIAL BUILDING PERMITS ISSUED TABLE (2020)**

Map ID #	Project Name	TAZ	Sq. Ft.	Description
1	Matanzas Lakes Amenity Center	19	1,500	Recreational Amenity
2	Palm Coast Commerce Storage	48	65,799	Commercial Storage
3	Aldi Grocery Store	50	20,442	Grocery Store
4	Suntrust Bank	42	3,406	Bank
5	Gold Choice Assisted Living	77	34,287	Assisted Living Facility
6	Marina Del Palma Clubhouse	68	3,886	Recreational Amenity
6	Marina Del Palma Stackhouse	68	34,364	Boat Storage
7	Vystar Credit Union	90	2,800	Bank
8	Culvers Restaurant	113	4,443	Restaurant
<b>Summary of Non-Residential Building Permits Issued in 2020</b>			<b>170,927</b>	<b>Sq. ft. of non-residential</b>

The City of Palm Coast additionally has a step in the development of non-residential structures that allows it to issue what it refers to as Development Orders (DO). Issuance of a DO allows a non-residential developer the opportunity to apply for a building permit. This practice allows the city the opportunity, along with issuance of building permits to predict future growth and growth patterns. In 2020 the City issued DOs that will allow for an additional 503,311 square feet of non-residential construction. This represents a significant increase over the 257,985 square feet approved during 2019.



**FIGURE 3.3 – NON-RESIDENTIAL DEVELOPMENT APPROVED TABLE (2020)**

Map ID #	Project Name	TAZ	Sq. Ft.	Description
1	Matanzas Lakes Amenity Center	19	1,500	Recreational Amenity
2	Flagler Village Medical Office Bldg.	25	42,760	Medical Building
3	Gioia Sails	48	35,124	Industrial Building
4	Palm Coast Commerce Storage	48	65,799	Commercial Storage
5	Aldi Grocery Store	50	20,442	Grocery Store
6	Checkers	41	954	Restaurant/Fast Food
7	Suntrust Bank	42	3,406	Bank
8	Tuscan Garden Phase II	66	109,958	Assisted Living Facility
9	Marina Del Palma Stackhouse	68	34,364	Boat Storage
9	Marina Del Palma Clubhouse	68	3,886	Recreational Amenity
10	Barnes Office Building	68	16,000	Office Building
11	Bella Cita	89	164,475	Retail & Storage Facility
12	Culvers Restaurant	113	4,443	Restaurant
<b>Summary of Non-Residential Development Approved in 2020</b>			<b>503,111</b>	<b>Sq. Ft. of Non Residential</b>

To assist with longer range development potential Palm Coast implements an approval process for what has been regarded as Developments of Regional Impact (DRI). The city currently has five approved DRIs that have the potential for the development of 20,511 new dwelling units and 10,626,000 square feet of non-residential development. A sixth DRI, Grand Haven, is nearly complete and is not included within the stated figures.





The City maintains a database of existing vacant lots for use by its various departments. At the end of 2020, the City contained approximately 15,172 vacant lots. The number of existing vacant lots represents future potential growth in the City over an extended period, possibly up to 20 years.

**FIGURE 2.9 – EXISTING VACANT RESIDENTIAL LOTS BY TAZ TABLE (2020)**

TAZ	Total Lots	Occupied Lots	Vacant Lots	Percentage Vacant
5	259	22	237	91.51%
16	354	64	290	81.92%
18	1040	668	372	35.77%
19	1513	897	616	40.71%
20	22	3	19	86.36%
25	859	591	268	31.20%
26	2029	1455	574	28.29%
27	774	592	182	23.51%
28	236	131	105	44.49%
29	1875	1251	624	33.28%
30	1033	833	200	19.36%
31	1449	1202	247	17.05%
33	601	466	135	22.46%
34	786	629	157	19.97%
35	1309	1095	214	16.35%
36	467	320	147	31.48%
38	2309	1907	402	17.41%
39	959	850	109	11.37%
41	362	356	6	1.66%
43	321	305	16	4.98%
44	967	958	9	0.93%
49	977	838	139	14.23%
57	424	420	4	0.94%
62	1172	948	224	19.11%
63	1493	1314	179	11.99%
64	1177	998	179	15.21%
65	1694	1240	454	26.80%
66	577	525	52	9.01%
67	33	30	3	9.09%
68	2320	2252	68	2.93%
69	1291	887	404	31.29%
70	1543	1027	516	33.44%
72	78	3	75	96.15%
73	183	173	10	5.46%
74	1708	1183	525	30.74%
75	1445	978	467	32.32%
76	2018	1272	746	36.97%
78	503	387	116	23.06%
80	888	584	304	34.23%
81	1117	740	377	33.75%
82	1242	830	412	33.17%
83	1752	1069	683	38.98%
85	2511	2024	487	19.39%
86	9	9	0	0.00%
112	730	476	254	34.79%
114	1301	592	709	54.50%
122	738	463	275	37.26%
123	1388	724	664	47.84%
124	3156	1380	1776	56.27%
132	486	345	141	29.01%
<b>TOTAL</b>	<b>53,478</b>	<b>38,306</b>	<b>15,172</b>	<b>28.37%</b>





## Progress on Meeting the 2016 AI goals

Three primary goals were developed within the 2016 Analysis of Impediments that was adopted by the City Council. They were:

1. *Community consensus on fair choice and a community vision that includes choices to allow all residents to thrive*
2. *Greater variety of housing choices*
3. *Connecting housing to jobs, education, culture, shopping, and the other activities that make where we live a community*

From the observations made based upon the HUD provided data and information contained within the City of Palm Coast's 2020 Annual Report and additional information provided by the City of Palm Coast, it appears that the City has made great strides toward meeting the goals it set forth in its 2016 Analysis of Impediments to Fair Housing. As indicated previously, as this assessment moves into the next phase of obtaining citizen feedback on past performance and planned construction activities for the future, we would hope to gain a broader community perspective on where future development opportunities exist. This insight will assist with the development of goals to support community growth assuring a vibrant and inclusive community.

## Survey Results

As indicated earlier, the HUD provided data can be useful in examining many aspects of fair housing within a community. Gaining local perspective, however, is an equally important factor to augment the mapping and data collection remotely completed by HUD. To provide this local perspective two different, yet complementary surveys were conducted during the months of November and December. The first was a survey that was emailed out to the 16 organizations previously listed as partners to this effort. These organizations are regularly involved serving the Palm Coast area residents in a variety of ways from housing to life skills to legal aid to advocating for the needs of the various protected classes of the diverse Palm Coast area population. The second survey was targeted toward the general Palm Coast population. Community feedback was obtained in an online survey through the Palm Coast website between 11/8/21 and 12/4/21. The availability of the survey was posted twice on each of the city's social media channels (Facebook, Instagram, Twitter, and LinkedIn). These posts reached 5,000 people. 84 persons responded to the survey. It is important to note that the community survey is not a "scientific" or "responsible" survey whose results may be used to draw conclusions for a larger population. The survey results should be viewed as simply the opinion of those who chose to respond.

### Palm Coast Partners Survey Results

This survey included 14 questions with an opportunity for narrative descriptions on the multiple-choice responses. To obtain the input, the City of Palm Coast sent out a notification to the various entities







indicating they would be receiving the survey. A few days later the survey was emailed to the partners. For those that didn't have an email address listed on their web site, calls were made to confirm an email address for the person most likely to respond from that organization. Two other follow-up emails were sent to those that had not responded by the December 3<sup>rd</sup> deadline. The following response rates were achieved through this survey.

1. **Are there concentrations of any of the protected classes of citizens in one of more neighborhoods within the Palm Coast geographic area?** 83% of the respondents indicated that they were not aware of any concentrations of any of the protected classes within Palm Coast.
2. **Are there concentrations of low- and moderate-income (LMI) housing in one or more neighborhoods within the Palm Coast geographic area?** Respondents to this question were evenly divided with 50% indicating they were not aware of concentrations of low- and moderate-income households. Those that indicated they felt there were concentrations of LMI households within the older sections of F and C in addition to sections P, R, & S (See Exhibit A). Other areas mentioned included Lehigh Woods, Pine Grove, Town Center and in neighborhoods zoned for duplexes.
3. **Are there residential facilities suitable to meet the needs of elderly and/or persons with disabilities scattered throughout the community?** Responses indicated residential facilities seemed to be scattered throughout the community. 20% of the responses indicated that, while facilities were scattered throughout the community the community could use more housing options for the elderly and disabled.
4. **Do you feel that current zoning and other policies and procedures are promoting patterns of segregation of protected classes or exerting neutral effects on the existence of concentrations of any of the protected classes of citizens?** 83% of the respondents indicated that the current ordinances and policies were having a neutral effect on segregation.
5. **If there is vacant or other land that can be developed within the jurisdiction's geographic area, do zoning regulations permit medium- and high-density residential development for such land, or only low-density housing (and accompanying high cost)?** 2/3 of the respondents felt that the zoning of vacant land within the city favored allowing of medium- and high-density housing, while the other 1/3 felt that it appears to limit development to low-density housing.
6. **Are municipal and other services (transportation, social services, schools, health services, hospitals, banks, and other lending institutions) located in the jurisdiction in a manner that provides ease of access to protected households?** Responders to this question were split with 60% indicating that municipal and other services were easily accessed. The other 40% of respondents indicated that a lack of public transportation creates difficulties for citizens to have access to public services.



7. **What efforts have been made by the government, businesses, and other entities in the jurisdiction and surrounding communities to link transportation and job creation initiatives with improved and more broadly distributed housing opportunities for lower-income persons and families within the Palm Coast area? What are the results of these efforts?** Half of the respondents to this question felt there has been a lack of effort to provide public transportation. One respondent indicated that the development of the town center appears to be helpful, but variety of housing is limited. Another respondent indicated that several initiatives have been introduced to induce job growth. The respondent also recognized that zoning promotes both, single- and multi-family housing within the community.
8. **Does the jurisdiction have a strategy to revitalize or enhance lower-income neighborhoods that involves multiple financial resources including private investment programs, such as those developed by banks and other financial institutions to meet the neighborhood revitalization objectives?** All the respondents indicated that they were not aware of any strategies involving public/private partnerships to meet the neighborhood revitalization needs within the community.
9. **In response to a request to identify specific steps that could be taken to strengthen the fair housing aspect of community revitalization activities in poorer neighborhoods through creation of job-housing and education-housing linkages in and outside such neighborhoods, or other appropriate actions,** half of the respondents indicated providing more information to citizens should be a good goal. Other respondents suggested incorporating mixed use zoning to allow housing in closer proximity to work opportunities and aligning housing development to compliment job creation efforts. These efforts were seen as also lessening the demand for a public transportation system. Other suggestions included updating the comprehensive plan to provide inclusionary zones and community land trusts, as well as providing more job training opportunities including financial literacy.
10. **In response to questions concerning evidence of racial steering or blockbusting by real estate brokers evidenced by fair housing complaints, audits, or other sources (such as press reports) originating in the jurisdiction or surrounding jurisdictions,** all respondents indicated they didn't know of any cases.
11. **A follow-up question asked if there was evidence of restrictive covenants, trusts, or lease provisions in use in the community that would exclude sale to or occupancy by a particular group of potential buyers or renters based on race, color, religion, sex, disability status, or familial status.** 17% of the respondents indicated they thought there were some extremely restrictive lease provisions that adversely impacted renters within the protected classes. The balance of responses indicated they were unaware of any issues that would limit the ability of buyers or renters based upon protected status.
12. **Respondents also indicated that they were not aware of any areas within the jurisdiction of conflicts between racial or ethnic groups or persons with disabilities.**



13. Respondents were also asked if there were effective outreach, education, and information programs in Palm Coast designed to create a good understanding among civic leaders, educators, and other citizens of all ages to reduce the adverse effects and force of negative attitudes among segments of the community concerning people who are different racially, ethnically, and culturally or who are disabled. 17% of the respondents indicated they thought efforts were improving prior to COVID through the implementation of annual events. The balance of respondents indicated they were not aware of any educational outreach efforts within the community.
14. The final question centered around the issue of visitability of housing which allows citizens the ability to be able to visit other households. The question asked if the community had incorporated the concept of visitability into any of homeownership, housing construction or rehabilitation programs. Half of the respondents indicated they were not aware of any efforts to incorporate visitability into the city's programs. One of these respondents indicated that they were aware of a newer apartment complex that did not incorporate elevators which would tend to restrict the visitability of the units within the complex. The other half declined to respond.

At the end of the survey respondents were given an opportunity to provide additional comments. One respondent indicated that cloud-based surveys should be considered for future efforts. Another respondent indicated they were a firm believer in fair housing but felt they lacked the knowledge on the technical aspects of fair housing to address some of the questions. The marketing survey was posted on-line. Our Public Information and Engagement Office sent out invitations by social media to invite residents to complete the survey.

#### **Palm Coast On-Line Citizen Survey Results**

An on-line survey provided an opportunity for citizens to provide their unique perspectives on various fair housing issues. The survey went live on November 8, 2021 and remained open for responses until December 4<sup>th</sup>. The survey was posted to the Palm Coast social media (Facebook, Instagram, Twitter & LinkedIn) twice. A total of 5,000 people were reached through the effort resulting in a total of 80 responses were received during that time period. The survey contained twelve questions with an opportunity to provide a narrative response to five of the questions and a final question that allowed respondents to make any other comments. An opportunity was also given to respondents to provide additional comments beyond the questions that were provided. Some respondents did answer all of the questions so the tabulated results for each question may not total 80. The results of that survey follow. While not intended to be a statistical sampling of community views, the survey allowed ample opportunity for interested citizens to provide their perspectives on various fair housing issues.



1. **How would you rate your awareness of Fair Housing Regulations?** Responses were mixed with 21 (27%) indicating they felt they had a High awareness of Fair Housing. Another 31 (40%) indicated they felt they had a moderate awareness and 26 (33%) indicating a low awareness of Fair Housing Regulations.
2. **When asked if they felt there were areas of community that had large concentrations of minorities,** 23 (29%) felt there were and mentioned sections P, R & S, the Town Center, near the high school, the large apartment complexes, areas that allow development of duplexes, Bunnell and Hammock (See Exhibit A). 57 (71%) did not think there were any large concentrations of minorities within the community with minorities being evenly dispersed throughout the community.
3. **Respondents were also asked if they felt there were areas of the community with concentrations of low- and moderate-income (LMI) households.** 46 out of 80 (58%) 34 (respondents felt there were no concentrated areas LMI households. The other 34 (42%) respondents indicated they felt there were concentrations of LMI households within sections P, R, S, the Town Center, near James Holland Park, the areas zoned for duplex development, and in Bunnell & Hammock. Several respondents commented that the older sections of Palm Coast seem to have the heaviest concentrations of LMI households.
4. **When asked if there were areas within the community where conflict between different racial or ethnic groups or between persons with or without disabilities existed,** the overwhelming majority indicated they were not aware of any areas of conflicts with 47 responses. Another 7 indicated that they felt there were some areas of conflict with the most notable being the friction between Bunnell and Hammond and some gang activity within section P. Several respondents indicated that conflicts were more of an individual occurrence rather than a neighborhood vs. neighborhood issue.
5. **Respondents were also asked if they felt there were adequate residential opportunities suitable to meet the needs of lower-income residents within the Palm Coast area. Of the 79 responses, 28 (35%) indicated they thought there were adequate residential opportunities.** The respondents that thought there was a need for more lower-income residential opportunities totaled 37 (47%), while the balance of 14 (18%) thought the availability was about right.
6. **Additionally, respondents were asked about the availability of housing for seniors and those with disabilities.** 36 (45%) of the respondents felt there are adequate residential facilities for the elderly and disabled, while 32 (40%) felt there is a need for additional elderly and disabled housing opportunities. Twelve (15%) felt the amount of elderly and disabled was about the right amount for the community.





7. **Respondents were asked if they or someone they know may have been discriminated against in the sale or rental of housing within the City of Palm Coast.** Of the 80 responses that were received 9 (11%) indicated affirmatively with the other 71 (89%) indicating they had not, or did not know of anyone that may have been discriminated in the sale or rental of housing within Palm Coast.
8. **When asked if more education on Fair Housing should be offered** 41 (64%) responded that they thought there should be more education with nearly all of these responders indicating it should be directed to potential renters and home buyers but many also mentioned Landlord and Real Estate professionals should be included. A few indicated that other actions may be more useful without mention of what those actions might be. There were 23 (36%) responses indicating there was not a need for more Fair Housing education.
9. **Respondents were asked if jobs were located within a reasonable commute from their homes.** Responses were evenly divided with 23 indicating “yes” and 23 responding with a “no” answer. It should be noted there were 6 responses indicating they were unemployed.
10. **Additionally, respondents were asked if shopping and access to services were located within a reasonable commute from their homes.** There were 13 (25%) responses indicating shopping and services were not located within a reasonable commute from their homes. 39 (75%) indicated that shopping and services were located within reasonable commutes.
11. **The final question asked what activities respondents would like to see the community provide that increase access or stability within the housing market. Responses to this question allowed the participants to choose as many activities as they wanted from a list of nine activities, including an opportunity for respondents to provide other ideas.** Arranged by magnitude of the responses the following are the priorities given by the respondents.

#### **High Priority**

- a. Encourage landlords to improve rental housing/code enforcement (33 responses)
- b. Home buyer education (31 responses)
- c. First-time home buyer downpayment and closing cost assistance for LMI households (30 responses)

#### **Moderate Priority**

- d. Encourage the development of rental housing for low-moderate income families (25 responses)
- e. Provide additional rental assistance to low-moderate income households (23 responses)
- f. Encourage the development of rental housing for low-moderate income senior and disabled households (20 responses)
- g. Owner-occupied housing repairs for low-moderate income households (20 responses)



### **Low Priority**

- h. Homeowner mortgage default counseling (11 responses)
  - i. Other (20 responses)
    - i. Stay out of the housing market. Let markets develop on their own (5 responses)
    - ii. Stop building until the city can keep up with infrastructure (4 responses)
    - iii. Develop people rather than housing – create more jobs, provide credit counseling (2 responses)
    - iv. More recreational opportunities (2 responses)
    - v. Too many rentals (1 response)
    - vi. Integrate moderate-income housing with upper-income housing (1 response)
    - vii. Cooperative housing (1 response)
    - viii. Rent to own housing (1 response)
    - ix. Construct smaller units of less than 1,200 sq. ft. to cater to 1<sup>st</sup>-time buyers and elderly (1 response)
    - x. Lower taxes (1 response)
    - xi. Inflation needs to be stopped (1 response)
    - xii. Amenities for disabled (1 response)
12. **A final opportunity was provided for respondents to provide additional comments.** The following is a review of those comments.
- a. Don't need more low-income housing
  - b. Owning a home allows people to put roots down and shows pride in the community. The housing prices are very high and are pushing families out of palm coast. The community needs families of all incomes to continue growing.
  - c. Greenways are disappearing right and left due to overdevelopment.
  - d. Attract Costco to our area
  - e. Create jobs for highly educated people. People cannot continue to commute an hour or more a day, especially since traffic and construction are getting worse. Invest in education to elevate people out of poverty. We must do more to provide for seniors and those less fortunate.
  - f. Apartments do NOT create financial stability. Only ownership does, but without a diversified economy for jobs the city will begin to decline.
  - g. I like Palm Coast's regulations. We do need better cell service, though.
  - h. I am disabled and own my own home. Why do you think disabled need low income housing? (Editor's note: The survey did not advocate for seniors or disabled to move to low-income housing. It merely asked if respondents felt a need existed for those facilities. The survey also asked if there was a need to provide owner-occupied housing repair programs to assist low-moderate income households.)
  - i. More time and money should be spent on making sure houses don't look like trash.





- j. This city council is full of outdated individuals who don't care about the citizens that currently live in the city.
- k. I want decent, affordable housing for everyone, but I also don't want the value of my home to drop.
- l. Palm Coast isn't for the low-income. They should live elsewhere.
- m. I make too much for low income assistance with only me and my daughter. So median-income especially single parent households with kids are pushed out when we want to live in Palm Coast not Daytona.
- n. By overbuilding low income housing, you are going to turn Palm Coast into a rundown area like parts of Daytona Beach.
- o. Stop the housing projects.
- p. Stop the handouts. People shouldn't be entitled to constant handouts on the backs of others who worked all their lives.
- q. Keep doing things the way you have been
- r. There is too much building going on in Palm Coast. Palm Coast was set up to be a retirement community. Let's keep it that way.
- s. Lower income housing will bring more crime, drugs, and lower property value.
- t. Seniors have needs for home repairs.
- u. We need more commercial and industrial to offset residential property tax. Start planning for the future with road infrastructure.
- v. Housing is affordable when families save for a down-payment and follow a budget.

### **Combining the two surveys**

What similarities and differences are seen between the two surveys (community partners that deal with various aspects of Fair Housing and the general citizenry of Palm Coast)? While the two surveys asked differing questions, there are some similarities between them.

Both surveys asked if the respondents felt like there were areas of concentration of minorities and low-to moderate-income households. Overwhelmingly the responses between both surveys indicated that there were no real areas of minority concentration. When it came to lower-income areas of the community, the responses leaned slightly toward there not being any highly concentrated areas of low-to moderate-income households. Areas that had the most likelihood of being considered low- to moderate-income neighborhoods were sections P, R, S, the Town Center, areas that were zoned to allow duplex development, and the older neighborhoods of the community.

While responses leaned toward there not being a need for additional housing opportunities for low- to moderate-income families and the elderly & disabled, there was significant support for the development of additional facilities.



Public transportation seems to be an issue that is recognized within both surveys. On the other hand, respondents to both surveys leaned toward the opinion that jobs, shopping, and access to services were easily accessible, which seems to be somewhat of a contradiction to the need for public transportation.

Both survey groups indicated an overwhelming sentiment that there were no areas within the community where conflicts existed based upon race, age, or disability. A few respondents indicated that this was more of an individual issue, rather than a neighborhood or community-wide issue.

An overwhelming sentiment between both surveys was a need for more education on Fair Housing and home buyer education.

### **Suggested Goals**

Establishment of goals is an opportunity for the public to take an active role in the continued development of their community. While funding to take on additional programs to address the needs of the community, especially as they relate to housing and in particular Fair Housing issues is extremely limited in relation to the overall community needs (The city receives annual Community Development Block Grant – CDBG, funding that varies from year-to-year based upon federal appropriations. Currently the city receives approximately \$0.5 million/year in CDBG funding), there are some priorities the community may want to consider. Through a combination of the comments made in the surveys, as well as discussion during the public hearing, three primary goals have been established. In no particular order items that could be considered for priority include:

1. **Establishment of public education opportunities.** Subject matter might include:
  - a. **Fair Housing regulations for**
    - i. Landlords
    - ii. Potential home buyers
    - iii. Potential renters
    - iv. Real estate professionals (Realtor Associations typically require continuing education with Fair Housing being one of the areas of concentration)

Opportunities exist to provide Fair Housing education through low/no-cost options. As examples, the city already has Fair Housing information on its web site with links to other organizations for additional information. The web site could, however, be updated to provide categories of interest directed specifically toward landlords, home buyers, renters, and real estate professionals.



The HUD links listed on the city's web site could be updated to provide citizens with access to a multitude of videos, brochures and flyers. The web site can be found at [https://www.hud.gov/program\\_offices/fair\\_housing\\_equal\\_opp](https://www.hud.gov/program_offices/fair_housing_equal_opp). Utilizing HUD's information, the city's web site could be periodically updated to feature a different aspect of fair housing.

Another opportunity for low/no cost Fair Housing education exists through cooperative partnerships with other agencies that have a mutual interest in promoting Fair Housing. Through these partnerships community forums could be conducted on topics of community interest.

**b. First-time Homebuyer Education**

The City could allocate funds for this effort but more of the effort could be in the form of support for other organizations that are more directly aligned to the issues. Additional funding options beyond the CDBG program may be available through other sources to address homebuyer educational needs.

While Palm Coast has a high rate of home ownership (74.3% in 2019 <https://www.census.gov/quickfacts/palmcoastcityflorida>) compared to the State of Florida (66.2% in 2019 <https://datausa.io/profile/geo/florida/#housing>) and the United States (65.1% in 2019 <https://www.statista.com/statistics/184902/homeownership-rate-in-the-us-since-2003/>), there are many good reasons to continue placing emphasis on home ownership. From <https://www.zillow.com/>:

- I. Owners can make improvements to the home without having to obtain landlord approval
- II. Ownership can provide a more tangible investment than investment in the stock market through appreciation
- III. Homeowners are allowed to deduct mortgage interest on their taxes leading to increased spendable income
- IV. During inflationary times, the mortgage payment tends to remain constant in comparison to the rising rents that often occur
- V. Homeowners also increase their net worth through the gain in equity they achieve through their monthly mortgage payments and increased property values over time

According to <https://usafacts.org/> homeownership rates show that Black Americans are currently the least likely group to own homes. In 2019, US homeownership rate was 64.6%. Among Black Americans, it was 42.1%.

Other studies have shown that homeowners maintain deeper ties to the community leading to lower job turnover rates. Homeowners have also been shown to maintain their properties to a higher standard than renters. They also typically have higher turnout rates in elections and become more involved in community activities.



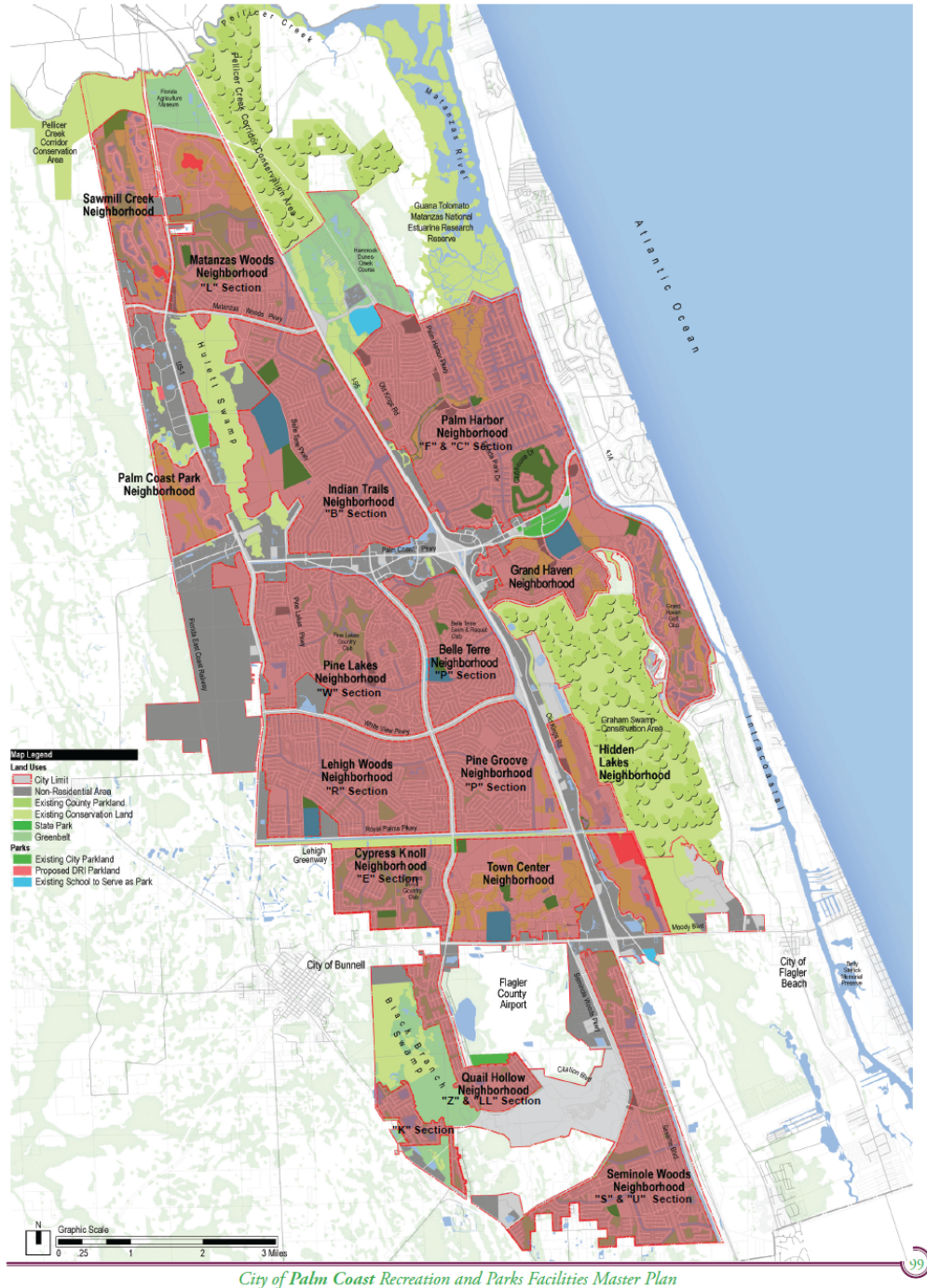
Typically, home ownership down payment and closing cost programs require completion of first-time homebuyer education which ties into 1.b., above. Additional funding may also be available from other agencies to assist with establishment/expansion of homeownership down payment and closing cost programs. While homeownership is not for everyone, placing an emphasis on continued homeownership will help lower-income and minority households stem the tide during inflationary times, help build wealth, and all the other benefits previously mentioned.

Additionally, Palm Coast may want to consider expansion of the efforts being put forth by Flagler County toward assistance with down payment and closing costs for income-eligible households.

2. **Expand Code Enforcement Efforts.** Significant survey comments were made concerning the need for increased code enforcement. These types of efforts often tend to maintain neighborhood property values. Activities could include purchase of computer laptops/tablets and/or software or the addition of additional personnel (such activities may be accomplished under specific parameters provided by different grant programs).
3. **Explore the Possibility of Establishment of a Public Transportation System.** Public transportation was mentioned several times as a hinderance to commuting to and from work, as well as access to shopping, services, and community events. Flagler County Transit with the assistance of the River to Sea Transportation Planning Organization is in the process of completing the next Transit Development Plan (TDP). A TDP serves as a transit operators, planning, development, and operational guidance for a 10-year planning horizon. Palm Coast should be supportive of the organizations efforts to determine the feasibility of a transportation system that could serve the community and surrounding area. As Palm Coast and Flagler County continue their current growth trends a public transportation system will become an increasingly important option for residents with their commutes to work, shopping for goods and services, and to take advantage of the area's recreational opportunities.



## Exhibit A. Neighborhood Map



## City of Palm Coast, Florida Agenda Item

Agenda Date : March 8, 2022

<b>Department</b>	COMMUNITY DEVELOPMENT	<b>Amount</b>
<b>Item Key</b>	13203	<b>Account #</b>
<b>Subject</b>	RESOLUTION 2022-XX APPROVING THE AFFORDABLE HOUSING INCENTIVES REPORT FOR THE STATE HOUSING INITIATIVES PARTNERSHIP (SHIP) PROGRAM	
<b>Presenter : Jose Papa, Senior Planner</b>		
<p><b>Background:</b>  <b>COUNCIL PRIORITY:</b>  <b>This item is for standard operations.</b></p> <p>In April 2009, the City Council approved an Interlocal Agreement (ILA) with Flagler County to implement a Joint Housing Assistance Program. One of the programs administered by Flagler County is the State Housing Initiatives Partnership (SHIP) program. The SHIP program is funded by a portion of the documentary stamps collected on the recordation of deeds.</p> <p>As required by State Statutes, every three years, the Affordable Housing Advisory Committee (AHAC), who serves as the advisory board for the SHIP program, shall review and recommend incentive strategies to promote affordable housing as required by Florida Statutes Chapter 420.9076. After the preparation of a report on the local housing incentives, the local government shall incorporate the local housing incentive strategies into the Local Housing Assistance Plan (LHAP) for the SHIP Program.</p> <p>On February 25, 2022, the Affordable Housing Advisory Committee (AHAC) will review the above-mentioned incentives at a public hearing and make a recommendation to the County Commission and City Council to accept the report and incorporate the recommendations into the LHAP.</p> <p>Since the LHAP is part of a Joint Housing Program between Flagler County and the City of Palm Coast, both the Board of County Commissioners (BOCC) and City Council review and approve the proposed amendment to the LHAP.</p>		
<p><b>Recommended Action :</b>  <b>ADOPT RESOLUTION 2022-XX APPROVING THE AFFORDABLE HOUSING INCENTIVES REPORT FOR THE STATE HOUSING INITIATIVES PARTNERSHIP (SHIP) PROGRAM</b></p>		



# State Housing Initiatives Partnership (SHIP) Program Analysis of Affordable Housing Incentives

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City Council  
Public Workshop

# SHIP Program - Background

- In 1992, the State Legislature passed the Sadowski Affordable Housing Act
- The Act funded a variety of affordable housing strategies through documentary tax stamps on recorded deeds
- Two main programs funded are SHIP and SAIL (State Apartment Incentive Loan) Program
- Typical allocation minimum \$350,000

# SHIP Program – Background Flagler County

## Who we are

The primary mission of State Housing Initiatives Partnership (SHIP) is to develop partnerships with local governments to promote the creation and preservation of affordable housing by assisting in the development and refinement of local housing assistance and incentive plans.

## Overview of Programs

### Down Payment Assistance



**Income: very low, low moderate.**

Forgivable loan to assist with down payment and closing costs for first time home buyers purchasing an existing, or newly constructed home, including any home purchased from a Community Land Trust in Flagler County.

Maximum award: Very low, \$35,000  
Low, \$25,000  
Moderate, \$10,000

### Owner Occupied Rehabilitation



**Income: very low, low.** Forgivable loan to help repair owner-occupied homes to alleviate code violations, health hazards, life and safety issues, accessibility, electrical, plumbing, roofing, windows, and other structural items. Maximum award: \$50,000. Mobile homes and attached homes are not eligible.

### Emergency Repair



**Income: very low, low.** Forgivable loan to help homeowners rehabilitate homes with critical issues which could further damage the home or which pose immediate health hazards to occupants. Maximum award: \$15,000. Mobile homes and attached homes are not eligible.

### Foreclosure Prevention



**Income: very low, low, moderate.** Grant assistance to help homeowners who have a documented hardship resulting in an arrearage of 2 to 6 months on their mortgages. Maximum award: \$5,000. Manufactured/mobile homes are not eligible.

### Rental Assistance



**Income: very low, low.** Grant assistance to for security and utility deposits and eviction prevention. Rental subsidy assistance available for eligible very low income households with an adult with special needs or for households experiencing homelessness. Maximum award: \$5,000 (\$3,000 for eviction prevention).

### Disaster Recovery



**Income: very low, low, moderate.** Assistance with rent and home repairs only when there is federal or state disaster declaration.

- In 2009, Palm Coast-Flagler County entered into an ILA to create a Joint Local Housing Assistance Program. The ILA allows the City and Flagler County to coordinate on affordable housing activities including having Flagler County as the administrator and coordinator of the SHIP program

# SHIP Program - Background

- F.S. 420.9076(4), a SHIP advisory committee (Flagler County Affordable Housing Advisory Committee (AHAC) reports on implementation or modifications to affordable housing incentives established in Florida Statutes.
- AHAC holds public hearing and makes a recommendation to the elected bodies
- Report is included in the new 3-year SHIP - LHAP

# SHIP Program – Incentives (F.S. 420.9076(4))

**(a) The processing of approvals of development orders or permits for affordable housing projects is expedited to a greater degree than other projects, as provided in s. [163.3177\(6\)\(f\)3](#).**

Clarify incentives report:

- This incentive applies to housing projects assisted with state, federal housing funds, or with private sector funds as confirmed by the Flagler County SHIP Administrator or the City's Chief Development Officer.
- The City currently completes building permit reviews for residential uses within a 5-7 day time frame, and it will be the City's objective to review permits for affordable housing within 5 days.
- Additionally, there is availability of the City's TRX process (Technical Review Extreme) to assist in expediting review
  - Process allows a developer to coordinate with City staff from various development review disciplines such as utilities, stormwater, planning, building.
  - TRX review team provides comments on the development proposal before formal submittal of development plans
  - Consolidates review process for efficiency
  - Developer has one point of contact for the City (Project Manager)
  - Development may address all if not most technical issues of proposed development prior to formal submittal. Additionally, this expedites the review time after formal submittal.

# SHIP Program – Incentives (F.S. 420.9076(4))

## (b) Ongoing Review Process for Incentives

Incentive assures that impacts of ordinances and legislation on affordable housing are comprehensively reviewed.

Update incentive report to outline that the city will develop & consider Comprehensive Plan policies to require consultation review of ordinances with appropriate advisory boards such as the Citizens Advisory Task Force and/or Planning and Land Development Regulation Board. (to be accomplished as part of overall Comprehensive Plan update)



# SHIP Program – Incentives (F.S. 420.9076(4))

**(c) Modification of impact fee requirements, including reduction or waiver of fees and alternative methods of fee payment for affordable housing.**

Background: Waiving impact fees does not eliminate the cost of the infrastructure that the impact fees are designed to pay for. Either new development or existing residents must pay the cost of needed infrastructure improvements. To lessen the impact on affordable housing projects, the cost of impact fees may be paid by other funding sources.

Report will clarify that Educational Impact Fee Ordinance includes an exemption for affordable housing when certain conditions are met. These conditions include:

- (1) Dwelling units installed for low-income and very-low income residents,
- (2) A lien on property for a period of ten (10) years guaranteeing continued use of unit for low-income and very low-income, lien (payment of impact fee) is due if unit is no longer used as a low-income or very-low income unit. Payment of impact fee will include interest. Other requirements for exemption include: making claim for exemption at the time of application, and authority to determine exemption is with the County Administrator.

# SHIP Program – Incentives (F.S. 420.9076(4))

## **(c) Modification of impact fee requirements, including reduction or waiver of fees and alternative methods of fee payment for affordable housing (continued)**

Flagler County recently adopted a Planned Affordable Development (PAD) Ordinance that clarifies conditions for the waiver of education impact fees. Staff will review the existing City codes and policies (Comprehensive Plan) to have consistency with Flagler County regulations regarding waiver of education impact fees.

Such review may entail changes to the current Interlocal Agreement for School Facility Planning.

# SHIP Program – Incentives (F.S. 420.9076(4))

## **(d) The allowance of flexibility in densities for affordable housing.**

Maximum densities are established by Future Land Use Map and Zoning designation of property.

Incentives Report will continue to encourage developers of affordable housing projects to utilize the MPD zoning district in order to allow for flexible densities. At the recommendation of the Flagler County Affordable Housing Advisory Committee, staff will draft specific language for consideration during the comprehensive plan update and subsequent update of the Land Development Code to assist affordable/workforce housing developers and staff in reviewing eligibility of projects for affordable/workforce housing density bonuses. (i.e. Clarify definition of which projects qualify for incentives and affordability period)

# SHIP Program – Incentives (F.S. 420.9076(4))

**(e) The reservation of infrastructure capacity for housing for very-low-income, low-income, and moderate-income families.**

Background: Consistent with state law, the City's Comprehensive Plan provides that no development, including housing development, shall be approved unless there is sufficient infrastructure capacity available to serve the development. These requirements are also contained in Chapter 7, Concurrency Management System, of the City's ULDC. This concurrency management requirement serves as the principal mechanism for ensuring that growth is managed in a manner consistent with the provisions of the comprehensive plan.

Reserving infrastructure capacity upfront for a project is important if there are deficiencies in concurrency-related facilities. Like waiving impact fees, allowing reservation of capacities without payment for affordable housing projects is unfair to other development.

**No changes are recommended at this time.**

# SHIP Program – Incentives (F.S. 420.9076(4))

## (f) Affordable accessory residential units

Incentives Report to be clarified that:

The City of Palm Coast Unified Land Development Code (ULDC) permits accessory structures without a full kitchen in a residential zoning district. Accessory structures shall not be located in public drainage or utility easements or within the required building setbacks. In addition accessory structures, other than fences, walls, arbors, trellises, pergolas, and detached garages or as otherwise specified in the Code, shall be located behind the front and side street building facades of the principal structure.

Clarify also that the Palm Coast ULDC does not permit the construction of accessory residential units (which includes a full kitchen facility).

# SHIP Program – Incentives (F.S. 420.9076(4))

- (g) The reduction of parking and setback requirements for affordable housing.**
- (h) The allowance of flexible lot configurations, including zero-lot-line configurations for affordable housing.**
- (i) The modification of street requirements for affordable housing.**

Incentive Report includes that Master Planned Development projects allow the incentives described above

No changes to report.



# SHIP Program – Incentives (F.S. 420.9076(4))

- (j) The preparation of a printed inventory of locally owned public lands suitable for affordable housing.

In 2006, the Florida State Legislature passed HB 1363 relating to affordable housing. One provision of that bill was that each local government must prepare an inventory of all real property that it owns within its jurisdiction that is appropriate for use as affordable housing every three years. This list will be made publicly available for review by housing providers.

Prepare an inventory of all city-owned property for analysis and determination of its appropriateness for affordable housing.

# SHIP Program – Incentives (F.S. 420.9076(4))

**(k) The support of development near transportation hubs and major employment centers and mixed-use developments.**

City's Comprehensive Plan includes a Mixed Use designation that provides opportunities for residents to work, shop, engage in recreational activities, as well as other functions. The Comprehensive Plan encourages location of affordable housing within proximity of services and employment opportunities.

No changes to report.

# SHIP Program – Incentives (F.S. 420.9076(4))

Flagler County Affordable Housing Advisory Committee (AHAC)

- Public Hearing on February 25, 2022

- Recommends approval

**RESOLUTION 2022 - \_\_\_\_\_**  
**AFFORDABLE HOUSING INCENTIVES REPORT**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, APPROVING THE AFFORDABLE HOUSING INCENTIVES REPORT FOR INCLUSION INTO THE LOCAL HOUSING ASSISTANCE PLAN FOR THE STATE HOUSING INITIATIVES PARTNERSHIP (SHIP) ACT, SECTION 420.907, FLORIDA STATUTES THROUGH SECTION 420.9079, FLORIDA STATUTES; AND RULE CHAPTER 67-37, FLORIDA ADMINISTRATIVE CODE; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS; PROVIDING FOR IMPLEMENTING ACTIONS AND PROVIDING FOR 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, Section 420.907, Florida Statutes through Section 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**, Flagler County and the City of Palm Coast adopted an Interlocal Agreement to establish a joint local housing assistance program; and

**WHEREAS**, the Flagler County Affordable Housing Advisory Committee (AHAC) has prepared a three-year Local Housing Assistance Plan for submission to the Florida Housing Finance Corporation; and

**WHEREAS**, Florida Statutes Section 420.9076 (4) specifies that each advisory committee shall evaluate affordable housing incentives every three years; and

**WHEREAS**, Florida Statutes Section 420.9076 (4) specifies at a minimum the incentives to be considered by each advisory committee; and

**WHEREAS**, the Local Housing Assistance Plan is being amended to include the incentive strategies to promote workforce/affordable housing in the City of Palm Coast.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA AS FOLLOWS:**

**SECTION 1. APPROVAL OF THE AFFORDABLE HOUSING INCENTIVES REPORT.** The City Council of the City of Palm Coast, hereby approves the Affordable Housing Incentives Report, as attached hereto and incorporated herein by reference as Exhibit “A”, for inclusion into the Local Housing Assistance Plan.

**SECTION 2. SEVERABILITY.** If any section or portion of a section of this Resolution proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force, or effect of any other section or part of this Resolution.

**SECTION 3. CONFLICTS.** All resolutions or parts of resolutions in conflict with any of the provisions of this Resolution are hereby repealed.

**SECTION 4. IMPLEMENTING ACTIONS.** The City Manager is hereby authorized to take any actions necessary to implement the action taken in this Resolution.

**SECTION 5. EFFECTIVE DATE.** This Resolution shall take effect immediately upon adoption by the City Council.

**DULY ADOPTED** by the City Council of the City of Palm Coast, Florida, on this 15<sup>th</sup> day of March 2022.

*ATTEST:*

**CITY OF PALM COAST**

\_\_\_\_\_  
VIRGINIA A. SMITH, CITY CLERK

\_\_\_\_\_  
DAVID ALFIN, MAYOR

APPROVED AS TO FORM AND LEGALITY:

\_\_\_\_\_  
NEYSA BORKERT, CITY ATTORNEY

Attachment: Exhibit “A” Affordable Housing Incentives Report



# **AFFORDABLE HOUSING INCENTIVES REPORT FOR THE CITY OF PALM COAST**

**FEBRUARY 2022**

**CITY OF PALM COAST COMMUNITY DEVELOPMENT DEPARTMENT**



## BACKGROUND

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The City of Palm Coast entered into an Interlocal Agreement with Flagler County for the Joint Local Housing Assistance Plan on April 7, 2009. As required by State Statutes, every three years, the Affordable Housing Advisory Committee (AHAC) shall review and recommend incentive strategies to promote affordable housing. This report has been drafted in order to accomplish that task.

Each Affordable Housing Advisory Committee (AHAC) must review the local government's existing policies, procedures, ordinances, regulations, and plan provisions and submit a report to the both governing bodies, including recommendations on affordable housing incentives. Triennially after the initial report requirements have been met, the AHAC shall additionally evaluate the implementation of affordable housing incentives.

Florida Statutes requires that, at a minimum, each advisory committee shall submit a report to both governing bodies that includes recommendations on affordable housing incentives in the following areas:

- A. The processing of approvals of development orders or permits, as defined in s. 163.3164(7) and (8), for affordable housing projects is expedited to a greater degree than other projects.
- B. The modification of impact fee requirements, including reduction or waiver of fees and alternative methods of fee payment for affordable housing.
- C. The allowance of flexibility in densities for affordable housing.
- D. The reservation of infrastructure capacity for housing for very low income persons, low income persons, and moderate income persons.
- E. The allowance of affordable accessory residential units in residential zoning districts.
- F. The reduction of parking and setback requirements for affordable housing.
- G. The allowance of flexible lot configuration, including zero-lot-line configurations for affordable housing.
- H. The modification of street requirements for affordable housing.
- I. The establishment of a process by which a local government considers, before adoption, policies, procedures, ordinances, regulations, or plan provisions that increase the cost of housing.
- J. The preparation of a printed inventory of locally owned public lands suitable for affordable housing.
- K. The support of development near transportation hubs and major employment centers and mixed use developments.

## SUPPORTING COMPREHENSIVE PLAN GOALS, OBJECTIVES, AND POLICIES

**GOAL 3.1: PROVISION OF AFFORDABLE HOUSING** - Citizens of all income levels shall have the opportunity to obtain quality housing at a reasonable cost.

**Objective 3.1.1: Adequate and Affordable Housing Opportunities** - Provide adequate and affordable housing opportunities to accommodate the needs of existing and future residents of households classified as very low, low, and moderate income through a variety of mechanisms, including financial assistance and development incentives.

**Policy 3.1.1.1** - Through its participation as an advisory member on the Flagler County Affordable Housing Task Force, the City shall support Flagler County in its efforts to assist very low, low, and moderate-income residents to purchase single-family residences within the City using funding from the SHIP program.

**Policy 3.1.1.2** - The City shall provide local support to developers seeking tax credits administered by the Florida Housing Finance Corporation to construct affordable multi-family projects at appropriate locations. This can be provided through a variety of mechanisms, including, but not limited to financial contributions, expedited plan review and permitting, and density bonuses.

**Policy 3.1.1.3** - The City shall request that the County consider amending its housing assistance plan to allow the use of SHIP monies to support the development of affordable multi-family units in the City.

**Policy 3.1.1.4** - The City shall include innovative land development regulations in the LDC to promote affordable housing in the community. Potential actions may include, but are not limited to, the following:

- A. Density bonuses;
- B. Expedited site plan review and permitting;
- C. Innovative land development regulations established through zoning districts or through Planned Unit Developments (PUDs); and
- D. Other regulations intended to reduce building and development costs.

**Policy 3.1.2.3** - In addition to CDBG and SHIP, the City shall evaluate other potential sources of affordable housing funding.

**Policy 3.1.2.4** - The City shall participate with the County and neighboring cities to pursue joint affordable housing funding if the opportunity arises.

**Objective 3.1.3: Sites for Very Low, Low, and Moderate Income Housing** - Provide adequate sites for very low, low, and moderate income households.

**Policy 3.1.3.1** - The City shall ensure that the Residential land use designation, the associated zoning districts, and land development regulations permit a variety of housing types and densities throughout the City

**Policy 3.1.3.2** - The City shall seek to disperse affordable housing throughout the City and avoid over-concentration in any single area.

**Policy 3.1.3.3** - The City shall provide assistance to housing developers in identifying sites for affordable housing for very low, low, and moderate-income households. Potential sites shall be evaluated based on the following criteria:

- A. Availability of existing or planned roads and central utilities;
- B. Proximity of existing or planned schools, parks, and other public facilities;
- C. Proximity of existing or planned employment centers; and
- D. Proximity to grocery stores and medical facilities.

**Policy 3.1.3.4** - The City shall provide in-kind services, time permitting and where appropriate, to assist non-profit organizations in their efforts to construct homes for very low, low, and moderate-income households.

**Policy 3.1.3.5** - The City shall collaborate with architects, designers and other housing providers to encourage the innovative design of affordable housing.

**Objective 7.5.1: Coordinated Provision of Housing** - Coordinate with the public and private sectors to ensure that a wide variety of dwelling units are available through and beyond the planning horizon to ensure housing for all residents.

**Policy 7.5.1.1** - The City shall collaborate with Flagler County to encourage the provision of affordable housing in the City through the following actions:

- A. The City representative on the County Housing Task Force shall act as a conduit between the City and the County to help expedite permitting for residential dwellings developed in the City.
- B. The City representative shall assist with research to identify and evaluate other potential affordable housing fund sources.
- C. The City representative shall assist in the review and revision of the Flagler County Housing Assistance Plan to provide the opportunity to offer affordable attached- and multiple-family housing options in the City.

**Policy 7.5.1.2** - The City shall coordinate with the Volusia-Flagler Homeless Coalition, religious institutions, and other non-profit agencies to develop of transitional housing for the homeless to the extent practicable and consistent with the legitimate needs of the City.

**Policy 7.5.1.3** - The City shall interact with the Flagler County Homebuilders Association and others in the private sector to maintain a balanced approach to the provision of housing types and price ranges.

**Policy 7.5.1.4** - The City shall work with the County and adjacent cities to jointly promote the funding and development of affordable housing.

**Policy 7.5.1.5** - Through the City's representative on the Flagler County Housing Task Force, the City shall work with the County in its efforts to assist very low, low-, and moderate-income residents to purchase single-family residences within the City by using funds and programs offered through SHIP, and State and Federal agencies

**Policy 7.5.1.6** - The City shall collaborate with the private sector and non-profit providers in the placement of housing for special needs persons.

Other Comprehensive Plan policies provide varied incentives for the provision of affordable housing and will be listed within this report where relevant. Additionally, the City's Unified Land Development Code (ULDC) includes specific measures to implement the adopted Comprehensive Plan as it relates to the provision of affordable housing; these specific ULDC sections are included herein where relevant to each of the incentive criteria.

## ANALYSIS OF INCENTIVES

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Each of the requirements A through K, current citations from the City's Comprehensive Plan and Unified Land Development Code (ULDC) are provided. Each section also includes analysis and recommendations. The specific analysis for each requirement is as follows:

### A. EXPEDITED PERMITTING

**The processing of approvals of development orders or permits, as defined in s. 163.3164(7) and (8), for affordable housing projects is expedited to a greater degree than other projects.**

**Analysis:** Development Orders and Permits for affordable housing projects will be expedited to a greater degree than other projects by standard custom and practice. All rehabilitation and replacement home construction projects will be processed through the expedited permit strategy. The Community Development Director or designee will shepherd applications through each level of review that are considered an affordable housing project. For the purpose of the expedited permit process, affordable housing projects will be identified as those projects assisted with state, federal housing funds, or with private sector funds as confirmed by the Flagler County SHIP Administrator or the City's Chief Development Officer. Specifically, Comprehensive Plan Policy 3.1.1.4 notes that expedited site plan review and permitting should be considered as an action to promote affordable housing.

**Building Permit Review.** The City completes building permit reviews for residential uses typically within a 5-7 day time frame. It will be the City's objective to review permits for affordable housing within 5 days.

**Site Plan Review.** Along with any other projects in the City, affordable housing projects have the opportunity to be expedited through the City's TRX process (Technical Review Extreme). This is a pro bono process (significant cost savings to the developer) that allows a developer City staff from various development review disciplines such as utilities, stormwater, planning, building. The TRX review team provides comments on the development proposal which allows a developer to make corrections and adjustments before formally submitting their development plans.

The TRX process allows a developer to save time and money by consolidating the review process. A project manager for the City is the main contact for a developer rather than having to coordinate with each of the various departments, additionally, rather than having to pay an application or submittal fee each time a plan is submitted. A developer may address all if not most of staff's concerns on a proposed development prior to formal submittal. Additionally, this expedites the review time after formal submittal (technically, all major issues have been addressed on a development plan and staff is able to provide a solid recommendation on the development proposal).

**Recommendation(s):** Expedite development orders and permits for affordable housing projects as described above.

### B. ONGOING REVIEW PROCESS

**An ongoing process for review of local policies, ordinances, regulations and plan provisions that increase the cost of housing prior to their adoption.**

**Analysis:** Before the adoption of any new ordinances, local governments are to determine the amount of increase in the cost of affordable housing due to the adoption of any new ordinance or updating an existing ordinance. The local government is to report annually to the State regarding how much the cost of housing had increased due to such actions. Before adopting a new ordinance to increase impact fees, the local governments is to advise the amount of additional cost of housing within their jurisdiction.

Before adoption of any new regulations or policies, the City will determine the impacts of adopting such ordinance on the cost of housing. When applicable, staff will include an analysis of the impact of any policy, procedure, ordinance, regulation, or plan provision upon the cost of housing in the City.

As part of the staff report provided to City Council during the adoption review process for ordinances, an analysis is provided for benefit of the City Council and the public. This analysis is reviewed and included as part of the record, during a formal City Council public hearing process that results in consideration of all impacts of a proposed ordinance.

**Recommendation(s):** To assure that impacts of ordinances and legislation on affordable housing are comprehensively reviewed, the City will consider as appropriate, Comprehensive Plan policy(ies) to require consultation review of ordinances, (such as impact fee revisions) with the appropriate advisory board (Citizens Advisory Task Force and/or Planning and Land Development Regulation Board).

**C. The modification of impact fee requirements, including reduction or waiver of fees and alternative methods of fee payment for affordable housing.**

**Analysis:** Impact fees are one-time charges applied towards new construction to obtain revenues necessary to make capital improvements. Overall, these impact fees increase the cost of housing. Legally, impact fees must be applied to all activities that create a demand for capital facilities. Consequently, impact fees cannot be waived or reduced.

Waiving impact fees does not eliminate the cost of the infrastructure that the impact fees are designed to pay for. Either new development or existing residents must pay the cost of needed infrastructure improvements. If new development, which puts additional demand on county facilities and services, does not pay its fair share of infrastructure cost through impact fees, then existing residents will have to pay those costs through higher fees or taxes. To lessen the impact on affordable housing projects, the cost of impact fees may be paid by other funding sources.

Staff note that the Educational Facilities Impact Fee Ordinance (adopted Countywide, including the City of Palm Coast) includes an exemption for low-income housing from educational facilities impact fees, when certain conditions are met. These conditions include:

- (1) dwelling units installed for low-income and very-low income residents,



(2) a lien on property for a period of ten (10) years guaranteeing continued use of unit for low-income and very low-income, lien (payment of impact fee) is due if unit is no longer used as low-income or very-low income unit. Payment of impact fee will include interest. Other requirements for exemption include: making claim for exemption at the time of application, and authority to determine exemption is with the County Administrator.

**Recommendation(s):** Flagler County recently adopted a Planned Affordable Development (PAD) Ordinance that clarifies conditions for the waiver of education impact fees. Staff will review the existing City codes and policies (Comprehensive Plan) to have consistency with Flagler County regulations regarding waiver of education impact fees. Such review may entail changes to the current Interlocal Agreement for School Facility Planning.

**D. The allowance of flexibility in densities for affordable housing.**

**Analysis:** The future land use map and zoning district designations establish a maximum density or intensity for all properties. Overall, density is an important factor in forming the character of a community and the preferred lifestyle of its residents. While higher densities may result in lower housing costs, higher across the board densities do not always translate into lower housing prices. Consequently, the preferred method for reducing housing costs through increased density is to provide affordable housing density bonuses associated with affordable housing projects.

The City of Palm Coast Unified Land Development Code (ULDC) allows opportunities for flexible densities for affordable housing. One mechanism available to a potential developer is the use of the Master Planned Development (MPD) zoning district. This zoning district provides developers the flexibility to establish specific develop standards (such as lot sizes, setbacks, lot coverage, etc.) for specific projects.

**Recommendation(s):** Continue to encourage developers of affordable housing projects to utilize the MPD zoning district in order to allow for flexible densities. At the recommendation of the Flagler County Affordable Housing Advisory Committee, staff will draft specific language for consideration during the comprehensive plan update and subsequent update of the Land Development Code to assist affordable/workforce housing developers and staff in reviewing eligibility of projects for affordable/workforce housing density bonuses.

**E. The reservation of infrastructure capacity for housing for very low income persons, low income persons, and moderate income persons.**

**Analysis:** Consistent with state law, the City's Comprehensive Plan provides that no development, including housing development, shall be approved unless there is sufficient infrastructure capacity available to serve the development. These requirements are also contained in Chapter 7, Concurrency Management System, of the City's ULDC. This concurrency management requirement serves as the principal mechanism for ensuring that growth is managed in a manner consistent with the provisions of the comprehensive plan.

Reserving infrastructure capacity upfront for a project is important if there are deficiencies in concurrency-related facilities. Like waiving impact fees, allowing

reservation of capacities without payment for affordable housing projects is unfair to other development.

**Recommendation(s):** No changes are recommended at this time.

**F. The allowance of affordable accessory residential units in residential zoning districts.**

**Analysis:** The City of Palm Coast Unified Land Development Code (ULDC) permits accessory structures without a full kitchen in a residential zoning district. Accessory structures shall not be located in public drainage or utility easements or within the required building setbacks. In addition accessory structures, other than fences, walls, arbors, trellises, pergolas, and detached garages or as otherwise specified in the Code, shall be located behind the front and side street building facades of the principal structure. The ULDC does not permit the construction of accessory residential units (which includes a full kitchen facility) in any residential zoning district.

**Recommendation(s):** No recommended changes at this time.

**G. The reduction of parking and setback requirements for affordable housing.**

**Analysis:** The City's Unified Land Development Code (ULDC) establishes minimum setback and lot size requirements for both single family residential zoning districts and multiple family residential zoning districts. Each zoning district's setback varies from another; these variations depend on the minimum lot width and minimum lots size for that zoning district. Affordable housing projects should identify those specific zoning districts to identify the most favorable setback requirements for a particular project. Developers of affordable housing also have the option to rezone and utilize the Master Planned Development (MPD) zoning district. This zoning district allows great flexibility in customizing setback and parking requirements.

For residential uses, the City requires two parking spaces for each single-family dwelling, duplex, and townhouse unit. For multifamily dwellings, the ULDC requires the following:

- 1 space per efficiency unit,
- 1.5 spaces per 1 bedroom,
- 2 spaces per 2 bedrooms and over, and
- 1 space per 4 units for guest parking.

Affordable housing developers also have the option of utilizing the Master Planned Development (MPD) zoning district. This zoning district provides flexibility in the required number of minimum parking based on evidence that other standards would be more reasonable.

**Recommendation(s):** Continue to encourage developers of affordable housing projects to utilize the MPD zoning district in order to reduce parking and setback requirements.

**H. The allowance of flexible lot configuration, including zero lot line configurations for affordable housing.**

**Analysis:** The City of Palm Coast Unified Land Development Code (ULDC) allows opportunities for an affordable housing developer to provide zero lot line configurations for affordable housing. One mechanism available to a potential developer is the use of the Master Planned Development (MPD) zoning district. This zoning district provides developers the flexibility to establish specific develop standards (such as lot sizes, setbacks, lot coverage, etc.) for specific projects.

Additionally, the ULDC permits townhouse residential development. This type of development allows a developer to construct a minimum of three (3) attached units and a maximum of eight (8) attached units per building.

**Recommendation(s):** Continue to encourage developers of affordable housing projects to utilize the MPD zoning district in order to allow for flexible lot configurations.

**I. The modification of street requirements for affordable housing.**

**Analysis:** The City of Palm Coast Unified Land Development Code (ULDC) allows opportunities for an affordable housing developer to modify street requirements for affordable housing. One mechanism available to a potential developer is the use of the Master Planned Development (MPD) zoning district. This zoning district provides developers the flexibility to establish specific develop standards (such as lot sizes, setbacks, lot coverage, etc.) for specific projects.

**Recommendation(s):** Continue to encourage developers of affordable housing projects to utilize the MPD zoning district in order to modify street requirements.

**J. The preparation of a printed inventory of locally owned public lands suitable for affordable housing.**

**Analysis:** In 2006, the Florida State Legislature passed HB 1363 relating to affordable housing. One provision of that bill was that each local government must prepare an inventory of all real property that it owns within its jurisdiction that is appropriate for use as affordable housing. The City of Palm Coast will compile a list of all real property within its jurisdiction to which the city holds fee simple title and is appropriate for use as affordable housing every three years. This list will be made publically available for review by housing providers.

**Recommendation(s):** Prepare an inventory of all city-owned property for analysis and determination of its appropriateness for affordable housing.

**K. The support of development near transportation hubs and major employment centers and mixed use developments.**

**Analysis:** The City of Palm Coast does not have any identifiable transportation hub. However, the City's Comprehensive Plan and Future Land Use Map (FLUM) identify areas appropriate for mixed use development and appropriate for Village Center development. These village center areas are appropriate for developments with higher densities and intensities.

The purpose of the Mixed Use development designation is to provide opportunities for residents to work, shop, engage in recreational activities, attend school and religious services in reasonably close proximity to residential dwellings. Typically, affordable housing projects should be located strategically within proximity of services and employment opportunities. Development of affordable housing as part of a mixed use project or within proximity of available services and employment opportunities is encouraged and promoted by the comprehensive plan.

**Recommendation(s):** No changes recommended at this time.

## CONCLUSION

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The City of Palm Coast currently provides many of the affordable housing incentives listed in paragraphs A through K of Section 420.9076(4) F.S., through the implementation of the Comprehensive Plan, the Land Development Code, and the Joint Local Housing Assistance Plan. The City will continue to implement and monitor the affordable housing incentives listed above in cooperation with non-profit housing organizations and for-profit affordable housing developers in order to provide affordable housing throughout the community.

# City of Palm Coast, Florida Agenda Item

Agenda Date: March 8, 2022

<b>Department</b>	COMMUNITY DEVELOPMENT	<b>Amount</b>
<b>Item Key</b>	13200	<b>Account #</b>
<b>Subject</b>	PRESENTATION - TOWN CENTER VISION	
<b>Presenter: Jason DeLorenzo, Chief Development Officer</b>		
<p><b>Background:</b>  <b>Council Priority:</b>  <b>A Innovation District</b>  <b>2 Focus on Town Center brick and mortar for shopping opportunities, Entertainment, and restaurants.</b></p> <p>Staff will present the current conditions in Town Center development with prompts for City Council to provide feedback and vision.</p> <p>This presentation utilizes ARCGIS StoryMap. The presentation is available to view with this link: <a href="https://arcg.is/1iOiCb">https://arcg.is/1iOiCb</a>.</p>		
<b>Recommended Action:</b> <b>Presentation Only</b>		



# City of Palm Coast, Florida Agenda Item

Agenda Date: March 8, 2022

<b>Department</b>	CONSTRUCTION MANAGEMENT & ENGINEERING	<b>Amount</b>	\$ 125,000.00
<b>Item Key</b>	13202	<b>Account</b>	#21097011-063000-54626
<b>Subject</b>	RESOLUTION 2022-XX APPROVING A WORK ORDER WITH ENGLAND-THIMS & MILLER, INC., FOR ENGINEERING SERVICES FOR AN EAST-WEST CONNECTOR FEASIBILITY STUDY		
<b>Presenter : Carl Cote, Director of Stormwater &amp; Engineering</b>			
<b>Background :</b>			
<b>COUNCIL PRIORITY:</b>			
<b>This item is for standard operations.</b>			
<p>The Florida East Coast Railway (FEC) runs north/south just west of US-1, bisecting Palm Coast. There are approximately 12,000 acres of land within the City limits and west of the railroad tracks, with limited access. The City believes that one or more western roadway extensions are needed to provide additional access to this western portion of the City to promote economic opportunities. Transportation access to the west is part of the Northeast Florida Regional Council's 2022 Legislative Priorities as adopted by City Council.</p> <p>The City acknowledges that it might not be physically possible to extend one or more of the roadways. Also, it might not be possible to extend all three roadways due to funding constraints, environmental concerns, right-of-way needs, as well as obtaining FEC Railway approval. However, due to the expected growth in this area, the City is interested in securing the rights-of-way for the extension(s) before they are blocked by development.</p> <p>The proposed scope of services consists of an investigation of the feasibility of the permitting and construction of westward extensions of Palm Coast Parkway, Royal Palms Parkway, and Whiteview Parkway. Services will include a review of possible roadway alignments, impacts to existing properties/uses, rights-of-way needs, design/permitting requirements, wetland and floodplain impacts, and construction costs.</p> <p>Services also include an investigation of the potential construction of an eastward extension of Whiteview Parkway, connecting to Old Kings Road, to facilitate traffic circulation in the eastern part of the City.</p> <p>Under the existing contract (RFQ-CD-19-70) with England-Thims &amp; Miller, Inc., staff negotiated a scope and fee not-to-exceed \$125,000. City staff has determined the cost for these services are reasonable and fair and are consistent with these types of services for a project of this size and scope. Funds for this project are budgeted in the Transportation Impact Fee Fund.</p>			

**SOURCE OF FUNDS WORKSHEET FY 2022**

Transportation Impact Fee 21097011-063000-54626	\$ 150,000.00
Total Expended/Encumbered to Date.....	0
Pending Work Orders/Contracts.....	0
Current (WO/Contract).....	\$ 125,000.00
<b>Balance</b> .....	<b>\$ 50,000.00</b>

**Recommended Action :**

**ADOPT RESOLUTION 2022-XX APPROVING A WORK ORDER WITH ENGLAND-THIMS & MILLER, INC., FOR ENGINEERING SERVICES FOR AN EAST-WEST CONNECTOR FEASIBILITY STUDY**



**TRANSPORTATION ACCESS  
TO THE WEST  
&  
PUBLIC WORKS FACILITY**

# Transportation Access to the West

# 2022 LEGISLATIVE PRIORITY



## Priority 3 – Transportation Access to the West

### Background

- The City is actively evaluating options for three additional westbound corridors at Matanzas Woods Parkway, Palm Coast Parkway, and Whiteview Parkway. Opening these corridors will promote economic opportunities in Palm Coast and Flagler County.

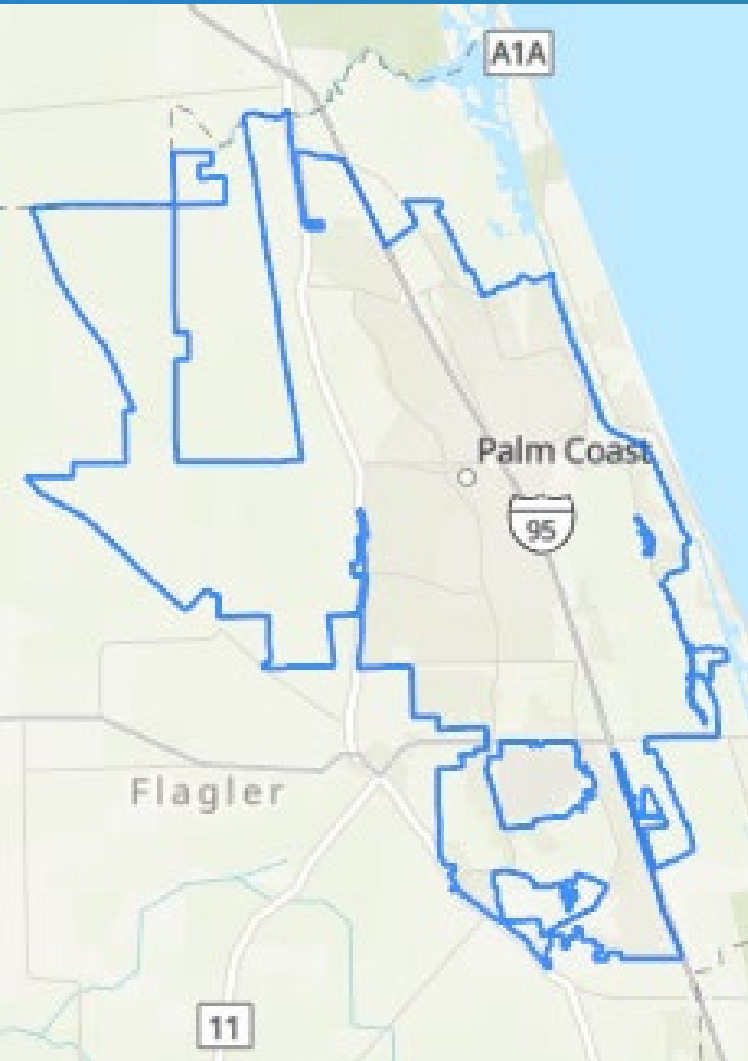
### Requested Action

- Support transportation projects that will improve access to large land tracts on the west side of Palm Coast.

### Effect

- Improved access to the west will provide opportunities for economic advancement.

# 2022 LEGISLATIVE PRIORITY



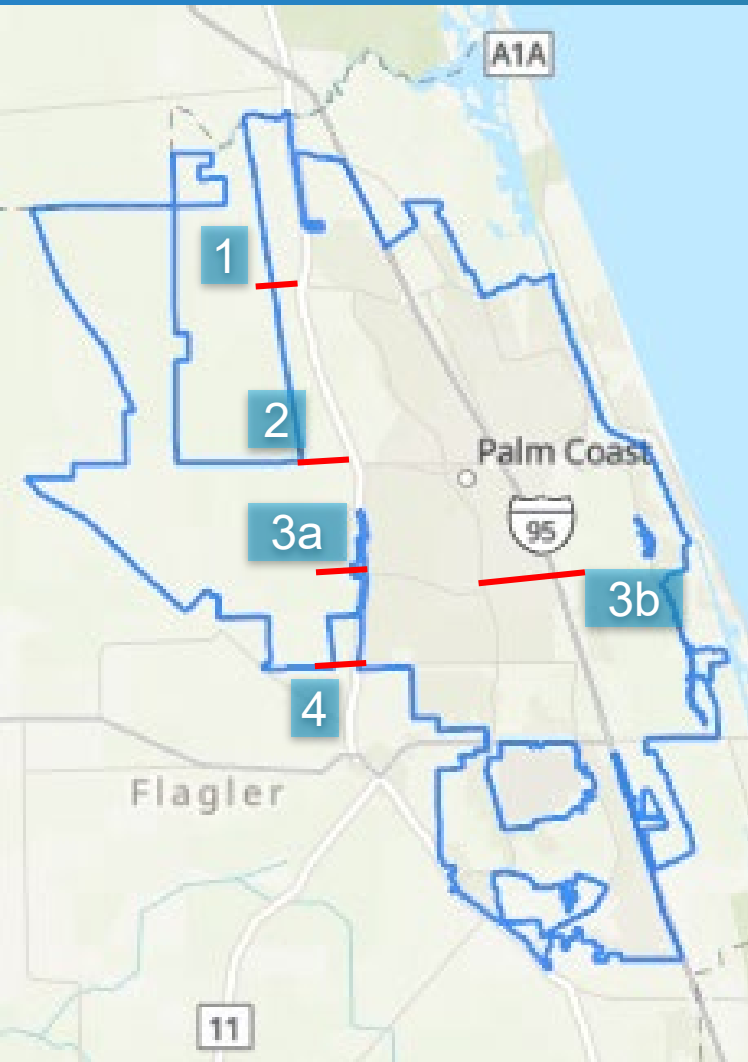
## Priority 3 – Transportation Access to the West

Update - February 8, 2022

- Land acquisition, survey and design preparations underway including northern access for the Public Works facility
- Filed a direct appropriations request to the Florida Legislature
  - HB3391
  - \$3,140,000 for phase 1 construction
  - January 13th, 2022 the bill passed on 1st reading out of Infrastructure & Tourism Appropriations Subcommittee
  - Now in appropriations committee, vote not yet scheduled



# 2022 LEGISLATIVE PRIORITY



## Priority 3 – Transportation Access to the West

1 – Matanzas Woods Parkway West

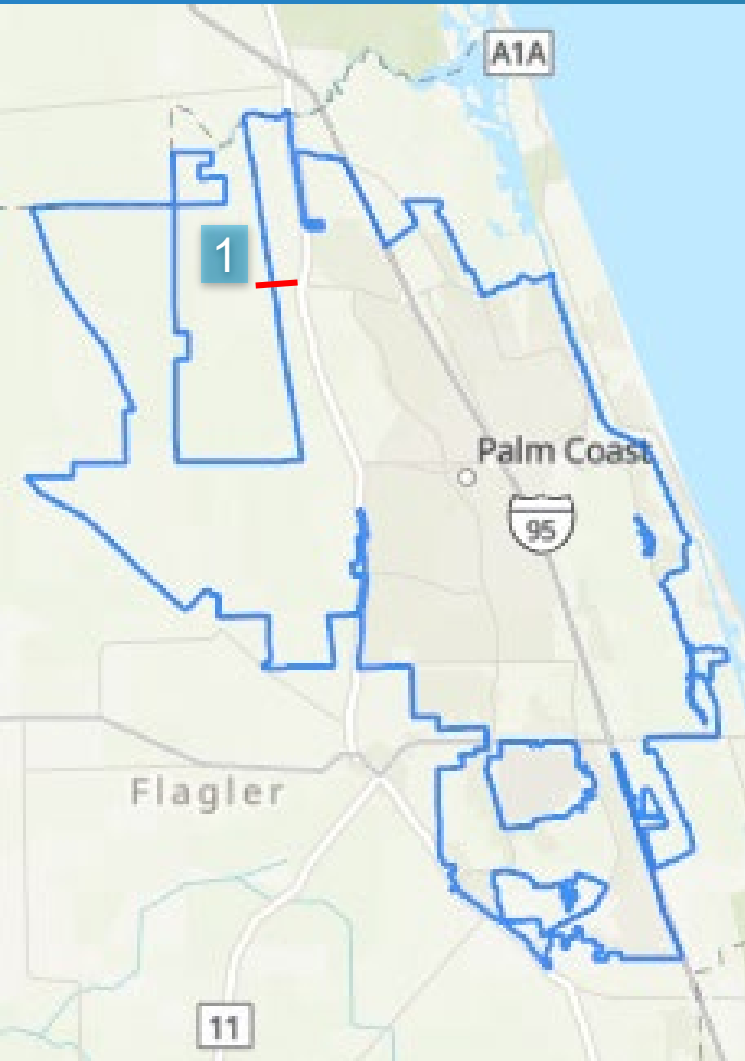
2 – Palm Coast Parkway West

3a – Whiteview Parkway West

3b – Whiteview Parkway East

4 – Royal Palms Parkway West (includes Lehigh Trail)

# 2022 LEGISLATIVE PRIORITY



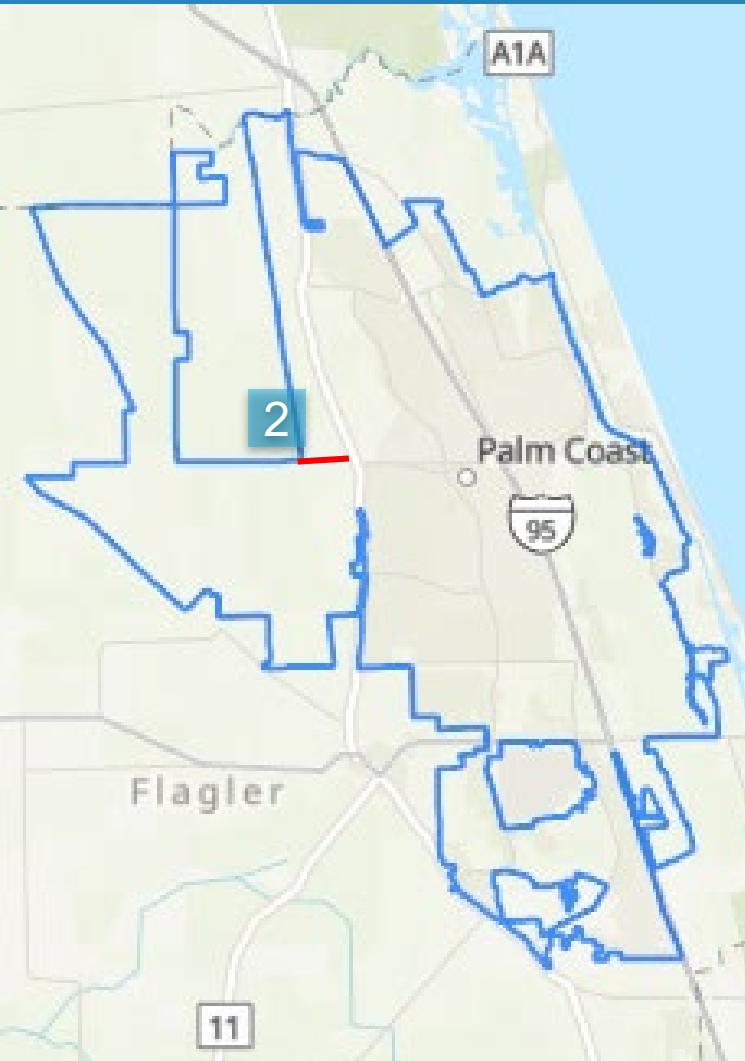
## Matanzas

- Feasibility Alignment Completed



- Right-of-Way
  - Some Purchased (Pink)
  - Negotiating Remaining Right-of-Way Needs for Additional Right-of-Way on East Side of Railroad (Yellow)
  - Began Discussions with Property Owner to the West of Tracks for Right-of-Way Needs
- Survey & Environmental Work Has Begun
- Negotiated a Contract for Design of Roadway Extension

# 2022 LEGISLATIVE PRIORITY



## Palm Coast Parkway West

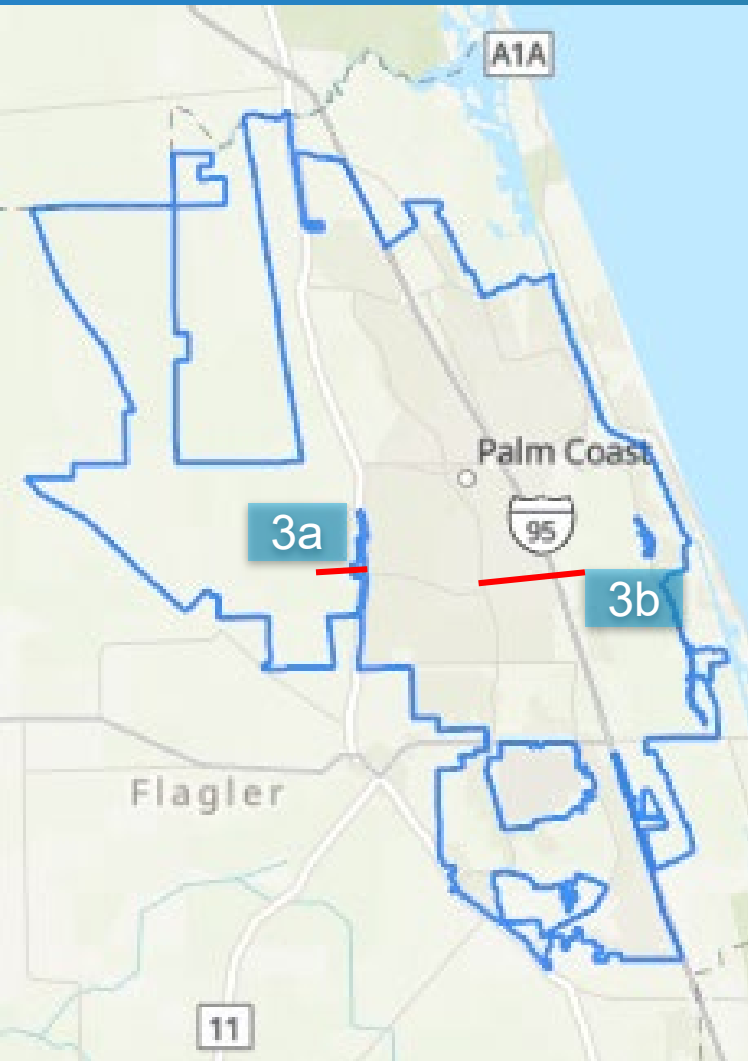
- Development of Hospital Site on West side of US1



- Discussions Regarding Road Extension Have Begun
- Negotiated a Scope & Fee for a Feasibility Study



# 2022 LEGISLATIVE PRIORITY



## Whiteview Parkway West & East

- Recent Annexation of Land on West Side of US1 (30+/- acres)



- Developer exploring options to Modify Easements on East side of Old Kings Road



- Initial Discussions Regarding Road Extensions Have Begun
- Negotiated a Scope & Fee for a Feasibility Study

# 2022 LEGISLATIVE PRIORITY



## Royal Palms Parkway West

- Coordinate with Flagler County and their long range plan to extend Lehigh Trail West
- Coordinate with School District regarding property owned on west side of US1
- Explore Feasibility of Road Extension versus use of existing transportation network Otis Stone Hunter to the North and County Road 13 to the South
- Negotiated Scope and Fee for a Feasibility Study

# NEXT STEPS

## COUNCIL ACTION

- March 15th – Resolution to Approve a Contract in the amount of \$1,760,681.72 with DRMP for Design Services for Extension of Matanzas Woods West
- March 15th – Resolution to Approve a Work Order in the amount of \$125,000.00 with ETM for a Feasibility Study of Whiteview Parkway West & East as well as Royal Palms Parkway & Lehigh Trail West Extensions



# Maintenance & Operations Complex

*(Public Works Facility)*

# PHASING PLAN - SITEWORK



## Site Preparation Phasing Plan

(A) SITE PREP A

(B) SITE PREP B

(C) SITE PREP C

# PHASING PLAN - BUILDINGS



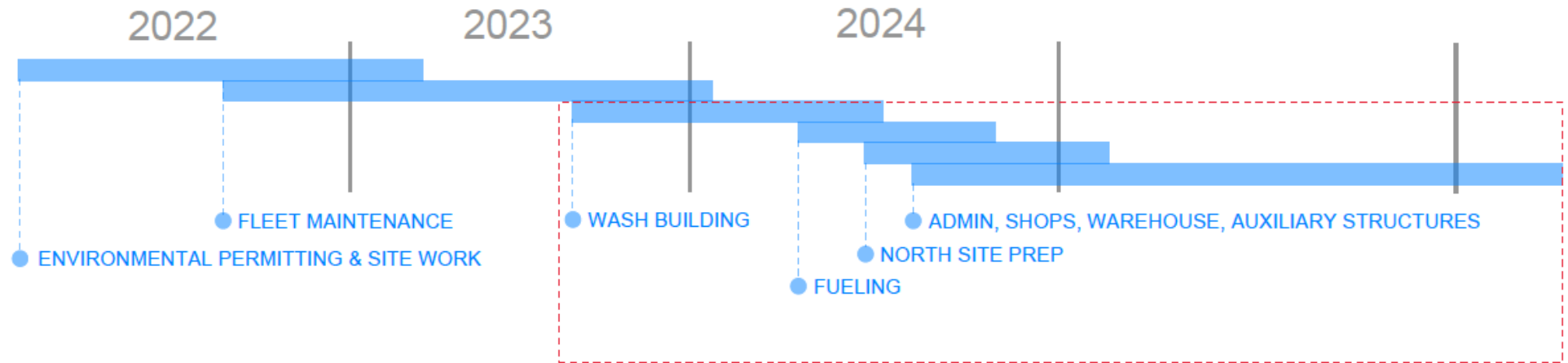
## Building Structures Phasing Plan

- ① FLEET MAINTENANCE
- ② WASH BUILDING
- ③ FUELING
- ④ ADMIN/SHOPS



# PHASING PLAN - SUMMARY

## Initial Site & Building Development (10-Year Plan)

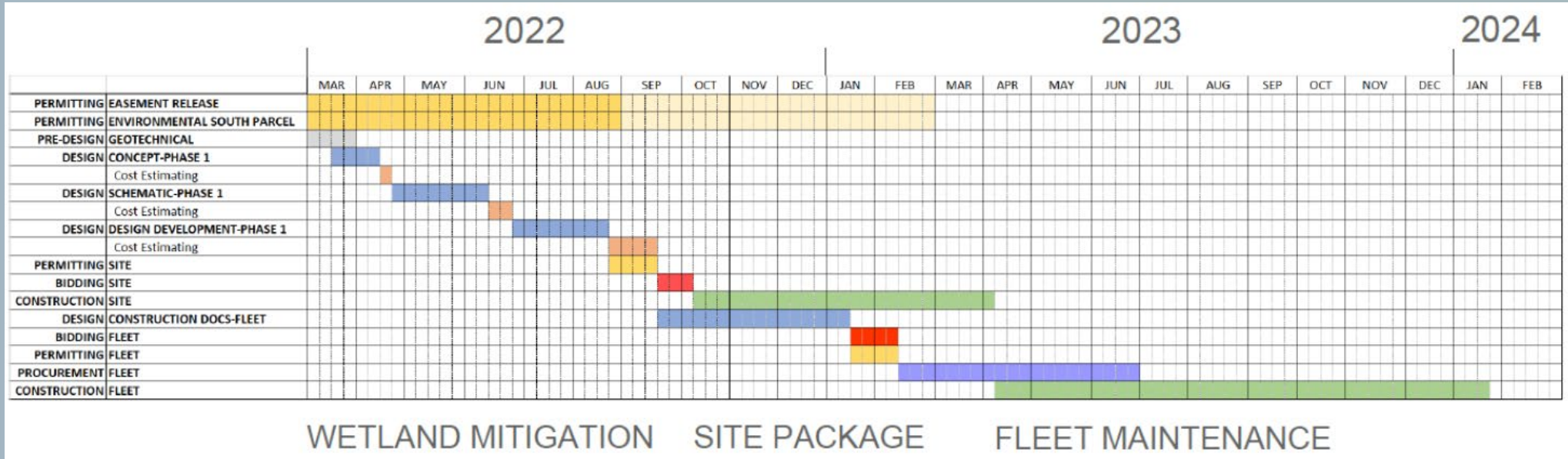
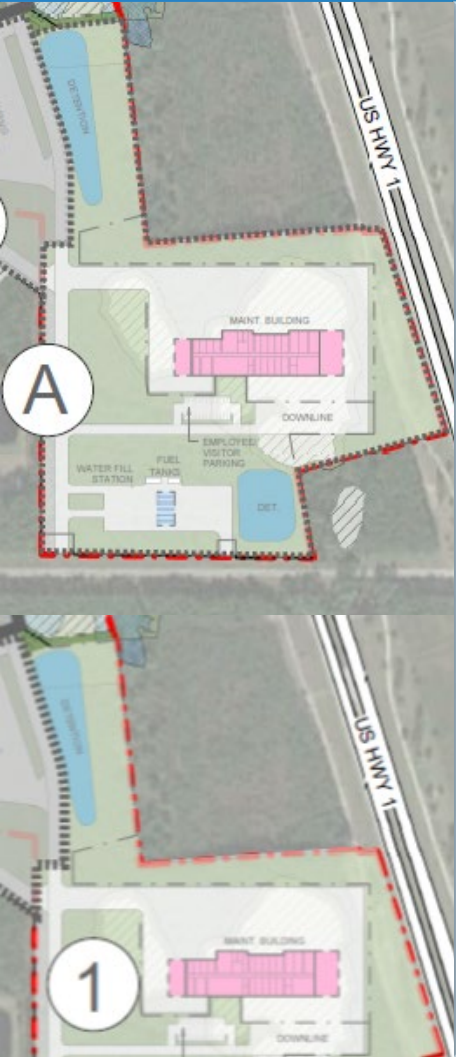


DATES TO BE DETERMINED  
BASED ON FUNDING  
AVAILABILITY

# PHASE 1 SCHEDULE

## Phase 1 Implementation Plan

- A** SITE PREP A
- 1** FLEET MAINTENANCE



# NEXT STEPS

## COUNCIL ACTION

- March 15<sup>th</sup>
  - Resolution to Approve Fees in the amount of \$988,315.00 for Additional Design Services (Pond & Co.)
  - Resolution to Approve Fees in the amount of \$19,665.00 for Construction Management Services – PreConstruction Phase (Gilbane)



**RESOLUTION 2022-\_\_\_\_\_**  
**EAST- WEST CONNECTORS FEASIBILITY STUDY**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, APPROVING A WORK ORDER WITH ENGLAND-THIMS & MILLER, INC., TO PROVIDE A FEASIBILITY STUDY FOR AN EAST-WEST CONNECTORS; AUTHORIZING THE CITY MANAGER, OR DESIGNEE, TO EXECUTE NECESSARY DOCUMENTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS; PROVIDING FOR IMPLEMENTING ACTIONS AND PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, England-Thims & Miller., Inc., has expressed a desire to provide a feasibility study for the east-west connection(s) for the City of Palm Coast; and

**WHEREAS**, the City Council of the City of Palm Coast desires for England-Thims & Miller, Inc., to provide engineering services for the above-mentioned project

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, AS FOLLOWS:**

**SECTION 1. APPROVAL OF WORK ORDER.** The City Council of the City of Palm Coast hereby approves the terms and conditions of the work order with England-Thims & Miller, Inc., to provide engineering services for an east-west connections feasibility study, as attached hereto and incorporated herein by reference as Exhibit “A.”

**SECTION 2. AUTHORIZATION TO EXECUTE.** The City Manager, or designee, is hereby authorized to execute the necessary documents.

**SECTION 3. SEVERABILITY.** If any section or portion of a section of this Resolution proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force, or effect of any other section or part of this Resolution.

**SECTION 4. CONFLICTS.** All resolutions or parts of resolutions in conflict with any of the provisions of this Resolution are hereby repealed.

**SECTION 5. IMPLEMENTING ACTIONS.** The City Manager is hereby authorized to take any actions necessary to implement the action taken in this Resolution.

**SECTION 6. EFFECTIVE DATE.** This Resolution shall take effect immediately upon its passage and adoption.

**DULY PASSED AND ADOPTED** by the City Council of the City of Palm Coast, Florida, on this 15<sup>th</sup> day of March 2022.

*ATTEST:*

CITY OF PALM COAST

\_\_\_\_\_  
VIRGINIA A. SMITH, CITY CLERK

\_\_\_\_\_  
DAVID ALFIN, MAYOR

APPROVED AS TO FORM AND LEGALITY:

\_\_\_\_\_  
NEYSA BORKERT, CITY ATTORNEY

Attachment: Exhibit "A" – WO England-Thims & Miller East-west feasibility study

**SCOPE OF SERVICES FOR  
PRELIMINARY ENGINEERING ASSISTANCE  
FOR REVIEW OF  
EAST-WEST ROADWAY EXTENSIONS  
Submitted January 31, 2022**

**Project Objective**

This scope of services consists of an investigation of the feasibility of the permitting and construction of westward extensions of Palm Coast Parkway, Royal Palms Parkway, and Whiteview Parkway. Services will include a review of possible roadway alignments, impacts to existing properties/uses, right-of-way needs, design/permitting requirements, wetland and floodplain impacts, and construction costs.

This scope of services also includes an investigation of the potential construction of an eastward extension of Whiteview Parkway, connecting to Old Kings Road, to facilitate traffic circulation in the eastern part of the City.

**Project Background**

The FEC Railroad runs north/south just west of US-1, bisecting Palm Coast. This leaves approximately 12,000 acres of land within the City limits and west of the railroad tracks, with limited access. The City believes that one or more western roadway extensions are needed to provide additional access to this western portion of the City to promote economic opportunities.

The City acknowledges that it might not be physically possible to extend one or more of the roadways. The City also knows that it might not be possible to extend all three roadways due to funding constraints. However, due to the expected growth in this area, the City is interested in securing the rights-of-way for the extension(s) before they are blocked by development.

**Scope of Services**

This scope of services consists of providing preliminary engineering assistance to the City for the initial planning of the roadway extensions. These services will include development of preliminary roadway alignments, preliminary drainage analyses, conceptual traffic analyses, preparation of preliminary budgets, coordination with City staff and other stakeholders, and graphics preparation.

### **Task – Preliminary Roadway Alignment Analyses**

This task includes the preliminary design of proposed alignments for each of the proposed roadway extensions. The designs shall include development of the roadway typical sections, preliminary horizontal geometry, and lane configurations. Development of the roadway alignments will also include a desktop analysis of wetlands, floodplains and soil types.

### **Task – Preliminary Drainage Analysis**

It is anticipated that treatment and attenuation of stormwater runoff for each of the roadway extension will be provided in wet detention ponds adjacent to the roadways. This task includes a preliminary engineering analysis to determine the size of the required stormwater ponds. This task also includes a preliminary analysis of floodplain impacts and recommendations of possible pond site locations.

### **Task – Conceptual Traffic Analysis**

This task includes the development of schematic level traffic projections based on existing traffic numbers and possible future traffic associated with development in the western part of the City.

### **Task – Preliminary Opinions of Probable Costs**

This task includes assisting the City in the development of an overall preliminary budget for each of the roadway extensions, to include design, permitting, wetland and floodplain impact mitigation, right-of-way acquisition, construction, and construction administration costs.

### **Task – Project Coordination and Meetings**

This task consists of the efforts needed to coordinate with City staff and other project stakeholders during the course of the analyses. Stakeholders will include City Engineering and Planning staff, Flagler County School Board staff, Flagler County Engineering staff, regulatory agencies, developers, and adjacent landowners.

### **Task – Project Graphics**

This task includes the preparation of miscellaneous project graphics as requested by the City.

### FEE SUMMARY

The above tasks will be completed on an hourly basis at the rates included in ETM's current Continuing Services contract.

**FEE** ----- **Hourly**  
*(Not to Exceed \$125,000)*

### ITEMS NOT INCLUDED

The exclusions below are listed primarily to define the scope of this project. Should any of these services be required, we will be pleased to provide you with a quotation to perform them.

- Final Design Work
- Construction Plans
- Stormwater Facility Design
- Geotechnical Engineering
- Utility Design
- Lighting Design
- Traffic Signalization
- Surveying
- Subsurface Utility Exploration
- Wetland Investigations
- Environmental Investigations
- Permitting
- Permit Fees
- Construction Phase Services

# City of Palm Coast, Florida Agenda Item

Agenda Date: March 8, 2022

<b>Department</b>	CONSTRUCTION MANAGEMENT & ENGINEERING	<b>Amount</b>	\$1,007,980.00
<b>Item Key</b>	13206	<b>Account</b>	#4300099-063000-59005

**Subject** RESOLUTION 2022-XX APPROVING AMENDMENTS TO THE FACILITY DESIGN CONTRACT AND CONSTRUCTION SERVICES CONTRACT FOR THE PUBLIC WORKS FACILITY

**Presenter : Carl Cote, Director of Stormwater & Engineering**

**Background:**  
**COUNCIL PRIORITY:**  
**D. Service Delivery and Efficiency**  
**1.) Ensure that the Public Works Facility is top priority facility project and commence with initial improvements based on Capital Improvement Plan timeline**

The existing Public Works facility does not meet current operational needs and is deficient in safety, technology, capacity, traffic flow, and workflow. In order to continue providing a high level of service to our residents and to address current and future needs of the community, a new public works facility is needed. City Council conducted a site visit of the current public works facility in 2016. Council determined that the current facility underserves the needs of public works, and approved a “needs analysis” to be conducted. The City had a master plan study completed to identify needs and to ensure that such improvements can be implemented in a fiscally responsible manner. The “needs analysis” was prepared and presented to Council in FY16. The masterplan study was prepared and presented to City Council in FY 17. The intent is to construct the improvements in phases.

On May 19, 2020, City Council approved an agreement with Pond & Company, in the amount of \$1,985,798.11, for design and construction administration services as well as an Agreement with Gilbane Building Company, for \$99,860.00, for pre-construction services and to set fees for construction phase services at 4.25% of the total cost of the project.

The scope of work included updating and validating the Master Plan. The 2017 Master Plan maximized the property to accommodate use for the next 10-20 years at which time satellite campus(s) would be created to handle future growth and needs. Upon the presentation of the project update to City Council staff was directed to evaluate options to expand the area of the existing site or identify other sites suitable for current and long term future needs of a Facility to serve Public Works, Stormwater & Engineering and Parks Maintenance in a single location as well as to evaluate ability to incorporate the Utility Department. On October 13, 2020 staff presented findings of two options; one that modified and expanded the existing public works property that entails a land exchange & purchase of property and the second option is to utilize existing park land and purchase of some private lands to provide better circulation and connection to city utility property and to provide land for future recreational needs.

On October 20, 2020, City Council approved a not-to-exceed amount of \$130,000.00 to



complete a due diligence analysis for expenses associated with appraisals, floodplain modeling, environmental assessments, engineering and other services that may be necessary to determine the cost implications including but not limited to wetland and floodplain impacts as well as to negotiate and establish costs for property purchases. City Council also requested that operation impacts of site locations as well as consolidating operations of City staff (Public Works, Parks & Recreation, Utility and Stormwater & Engineering) be evaluated and compared to determine operational impacts of current location(s) versus Option A and Option B based upon current conditions as well as the projected future development service needs.

On February 9, 2021, City Staff presented an update on the due diligence status and information that had been collected to date. City Council directed staff to proceed with locating the Public Works Facility (Option B) on property north of Peavy Grade and adjacent of the City Waster Water Plant #2 and Water Plant #3. This option requires purchasing of additional lands to provide traffic circulation connections to the north and the south, to provide enough developable acreage to accommodate future needs and to provide alternate park lands as the city property proposed to be utilized was identified as a future sports complex as part of the DRI. As part of the land purchase analysis, city staff spoke with adjacent property owners/developers along the northern boundary to ascertain how western development would be accessed so that the appropriate lands could be obtained and so that development of the public works site could accommodate this as part of the master planning process.

On April 6, 2021, City Council approved the purchase of lands, 139.92+/- acres, associated with the public works project. Funding for the purchase of lands was not included in the current budget, however, there was some funding identified to begin construction. Due to the change in project programming and new site location, construction will not begin this year therefore those funds were utilized for the land purchase. A portion of the land purchased will be able to be associated with adding roadway capacity to extend Matanzas Woods to the west, therefore transportation impact fee funds were allocated for the purchase of those lands.

On April 6, 2021, City Council approved a contract amendment of the design contract to perform a Master Plan Study, Survey and Environmental services, in the amount of \$356,618.00, that includes a contingency of \$30,000.00 for additional services that may be necessary, including, but not limited to geotechnical work. This will include creating a program and space needs analysis for the Utility Department, obtain survey & environmental information for the entire site, analyze traffic circulation route options and site layout options of the various facilities and functions to determine a recommended site layout and phasing plan that will accommodate current & future operational and facility needs for the new site location.

On February 8, 2022, staff presented Council with an updated Master Plan layout.

This item is to approve a contract amendment with Pond & Company for additional design services in the amount of \$988,315.00 based upon the new proposed Master Plan layout. Staff is also requesting a contract amendment with Gilbane Building Company, in the amount of \$19,665, for additional construction management services. The design will include obtaining all permits and release of conservations easements for the entire Master Plan development, 100% site design for phase 1A & 1B areas and 60%+/- site design for remaining site areas; 100% design of Fleet, Wash & Fuel Facilities and 60% design of Administrative / Operations / Warehouse & associated ancillary structures such as storage bins, material storage and covered bin structures.

**SOURCE OF FUNDS WORKSHEET FY 22**

Capital Improvement/PW 43000099-063000-59005	\$ 7,915,000.00
Total Expended/Encumbered to Date.....	\$ 2,023,733.62
Pending Work Orders/Contracts.....	\$ 0
Current (WO/Contract).....	\$ 1,007,980.00
Balance.....	\$ 4,883,286.38

**Recommended Action :**

**ADOPT RESOLUTION 2022-XX APPROVING AMENDMENTS TO THE FACILITY DESIGN CONTRACT AND CONSTRUCTION SERVICES CONTRACT FOR THE PUBLIC WORKS FACILITY**

**RESOLUTION 2022-\_\_\_\_\_**  
**PUBLIC WORKS FACILITY MASTER PLAN**  
**DESIGN CONTRACT AND**  
**CONSTRUCTION MANAGEMENT SERVICES CONTRACT**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA APPROVING AN AMENDMENT TO THE PUBLIC WORKS FACILITY MASTER PLAN DESIGN CONTRACT WITH POND & CO., AND APPROVAL OF AN AMENDMENT TO THE GILBANE BUILDING COMPANY CONTRACT FOR ADDITIONAL CONSTRUCTION MANAGEMENT SERVICES FOR THE PUBLIC WORKS FACILITY; AUTHORIZING THE CITY MANAGER, OR DESIGNEE, TO EXECUTE NECESSARY DOCUMENTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS; PROVIDING FOR IMPLEMENTING ACTIONS AND PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, Pond & Company, Inc., has expressed a desire to provide additional environmental & survey services for the Public Works Facility; and

**WHEREAS**, Gilbane Building Company, has expressed a desire to provide additional construction management services for the Public Works Facility; and

**WHEREAS**, City Council desires to amend the current design contract and construction management contract for the Public Works Facility project.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, AS FOLLOWS:**

**SECTION 1. APPROVAL OF CONTRACT AMMENDMENTS.** The City Council of the City of Palm Coast hereby approves a contract amendment with Pond & Company and Gilbane Building Company for the Public Works Facility Master Plan and Construction Services for the Public Works Facility project, as attached hereto and incorporated herein by reference as Exhibit “A.”

**SECTION 2. AUTHORIZATION TO EXECUTE.** The City Manager, or designee, is hereby authorized to execute the necessary documents.

**SECTION 3. SEVERABILITY.** If any section or portion of a section of this Resolution proves to be invalid, unlawful, or unconstitutional, it shall not be held to

invalidate or impair the validity, force, or effect of any other section or part of this Resolution.

**SECTION 4. CONFLICTS.** All resolutions or parts of resolutions in conflict with any of the provisions of this Resolution are hereby repealed.

**SECTION 5. IMPLEMENTING ACTIONS.** The City Manager is hereby authorized to take any actions necessary to implement the action taken in this Resolution.

**SECTION 6. EFFECTIVE DATE.** This Resolution shall take effect immediately upon its passage and adoption.

**DULY PASSED AND ADOPTED** by the City Council of the City of Palm Coast, Florida, on this 15<sup>th</sup> day of March 2022.

*ATTEST:*

**CITY OF PALM COAST**

\_\_\_\_\_  
VIRGINIA A. SMITH, CITY CLERK

\_\_\_\_\_  
DAVID ALFIN, MAYOR

APPROVED AS TO FORM AND LEGALITY:

\_\_\_\_\_  
NEYSA BORKERT, CITY ATTORNEY

Attachment: Exhibit “A” – Amendments to Pond & Company, Inc. and  
Gilbane Building Company Contracts

February 24, 2022

Carl Cote  
Director of Stormwater & Engineering  
City of Palm Coast  
160 Lake Avenue  
Palm Coast, FL 32164

**RE: Palm Coast Public Works Facility – Revised Master Plan**

Carl,

As discussed, we are pleased to offer our Proposal to provide Preconstruction Services for the revised Public Works Facility Master Plan as outlined below. Pursuant to Article 4.1.3 of the AIA A133 Agreement dated June 2, 2020, these costs are in addition to our initial lump sum fee of \$99,860.

**REVISED MASTER PLAN AND NEW SITE LOCATION**

In approximately June of 2020 the design team began working on the redevelopment and expansion of the existing Public Works Facility located at 1 Wellfield Grade. During the initial design process, the city requested the design team to perform due diligence services to evaluate a potential land swap and new site location. Also, the programming was expanded to include the co-location of the Utility Department. As a result of this due diligence effort, the City chose the new larger site located off US1 and Peavy Grade. The design team is now finalizing the revised Master Plan for the new site location. Based on recent meetings with the City and the design team, the new Master Plan will include a larger fueling station, and multiple phasing options to help the City identify and prioritize portions of the development to be completed over time based on available funding. We will provide preconstruction services to accommodate the extension of time and expansion of scope associated with the new site master plan. This includes pricing and evaluation of the expanded fueling station, and an additional “initial” GMP (IGMP) for an early release sitework package in advance of the Phase 1 Fleet Maintenance Building GMP.

• Preliminary Cost Estimates	\$ 15,299
• Schematic Design Phase	\$ 24,819
• Design Development Phase	\$ 24,306
• Construction Documents & IDC	\$ 39,366
• Expenses	<u>\$ 15,735</u>
Total	<u>\$119,525</u>
Less Original Pre-Construction Services Fee	<u>(\$99,860)</u>
<b>PO Adjustment Amount</b>	<b><u>\$ 19,665</u></b>

Please review this and, if acceptable, please revise our current Purchase Order #20201696 as soon as possible. Again, thank you so much for the opportunity to work with the City of Palm Coast once again. We look forward to discussing this with you further.

Sincerely,



Ty Bliss, Sr. Project Manager

Gilbane Building Company

Attachments: Master Plan Exhibit

		2022												2023												2024			
02-17-2022		2022												2023												2024			
DESCRIPTION	Wks	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MA	
PERMITTING	EASEMENT RELEASE	24	[Yellow bar]																										
PERMITTING	ENVIRONMENTAL SOUTH PARCEL	24	[Yellow bar]																										
PRE-DESIGN	GEOTECHNICAL		[Grey bar]																										
DESIGN	CONCEPT-PHASE 1	4	[Blue bar]																										
	Cost Estimating	1	[Orange bar]																										
DESIGN	SCHEMATIC-PHASE 1	8	[Blue bar]																										
	Cost Estimating	2	[Orange bar]																										
DESIGN	DESIGN DEVELOPMENT-PHASE 1	8	[Blue bar]																										
	Cost Estimating	4	[Orange bar]																										
PERMITTING	SITE	4	[Yellow bar]																										
BIDDING	SITE	3	[Red bar]																										
CONSTRUCTION	SITE	24	[Green bar]																										
DESIGN	CONSTRUCTION DOCS-FLEET	16	[Blue bar]																										
BIDDING	FLEET	3	[Red bar]																										
PERMITTING	FLEET	4	[Yellow bar]																										
EARLY PROCUREMENT	FLEET	20	[Blue bar]																										
CONSTRUCTION	FLEET	12	[Green bar]																										
DESIGN	CONSTRUCTION DOCS-N-S CONNECTOR RD	16	[Blue bar]																										
	Cost update/verification	4	[Orange bar]																										
BIDDING	N-S CONNECTOR RD	3	[Red bar]																										
PERMITTING	N-S CONNECTOR RD	4	[Yellow bar]																										
CONSTRUCTION	N-S CONNECTOR RD	16	[Green bar]																										

SOUTH PARCEL WETLAND MITIGATION

SITE PACKAGE

FLEET BLDG

N-S CONNECTOR RD

EASEMENT RELEASE PARTIAL  
(MATANZAS PKWY)

2024

2025

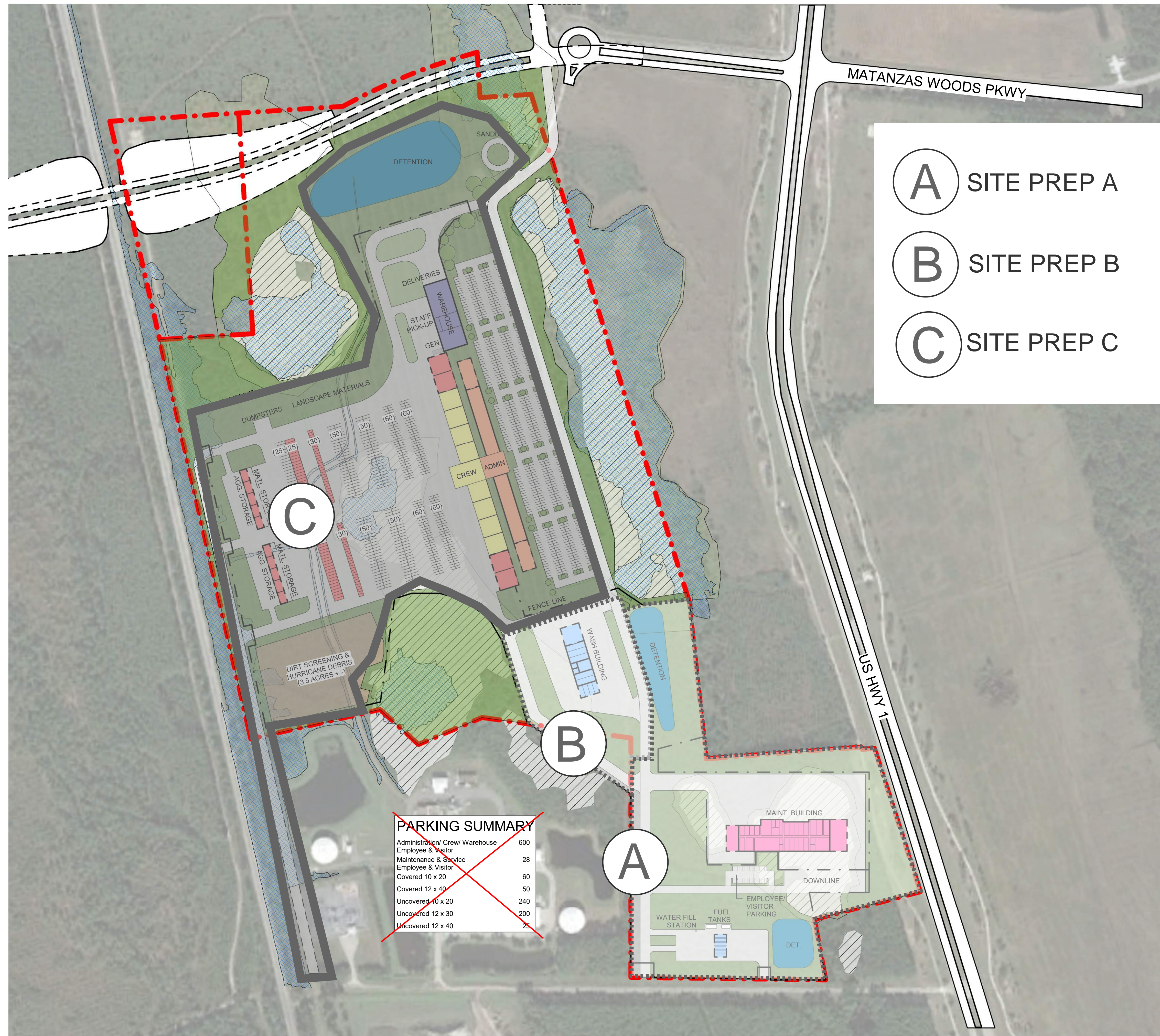


WASH BLDG



FUELING

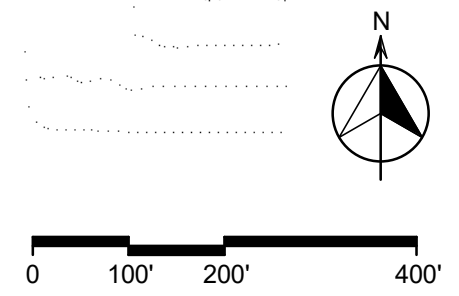




- A** SITE PREP A
- B** SITE PREP B
- C** SITE PREP C

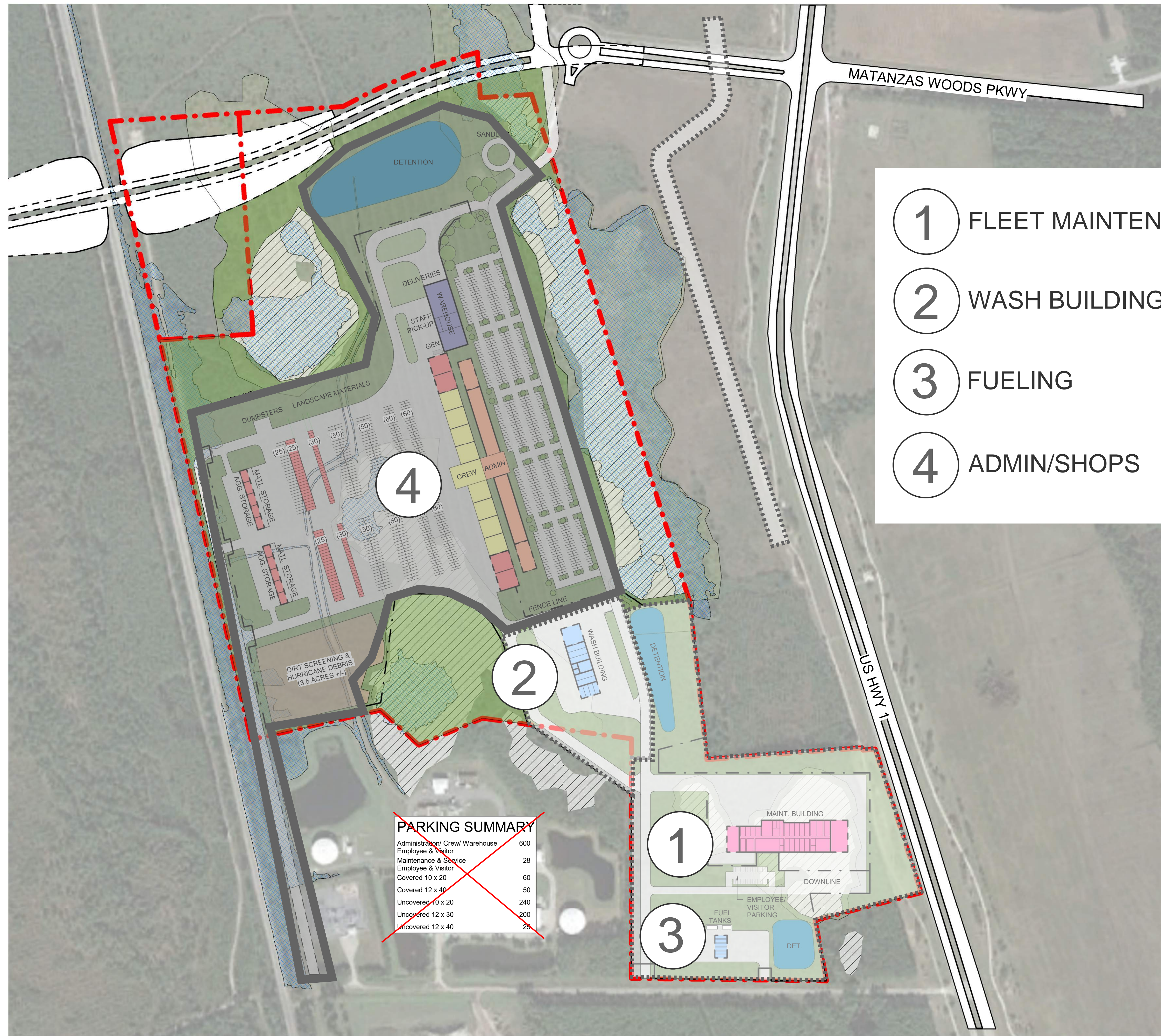
~~**PARKING SUMMARY**~~

Administration/ Crew/ Warehouse Employee & Visitor	600
Maintenance & Service Employee & Visitor	28
Covered 10 x 20	60
Covered 12 x 40	50
Uncovered 10 x 20	240
Uncovered 12 x 30	200
Uncovered 12 x 40	25



# SITE PHASING PLAN

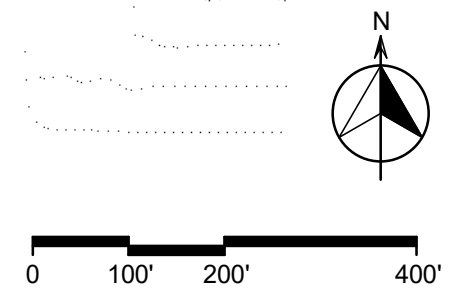




- 1 FLEET MAINTENANCE
- 2 WASH BUILDING
- 3 FUELING
- 4 ADMIN/SHOPS

~~**PARKING SUMMARY**~~

Administration/ Crew/ Warehouse Employee & Visitor	600
Maintenance & Service Employee & Visitor	28
Covered 10 x 20	60
Covered 12 x 40	50
Uncovered 10 x 20	240
Uncovered 12 x 30	200
Uncovered 12 x 40	25



**BLDG PHASING PLAN**





1200 Riverplace Blvd., Suite 600  
Jacksonville, FL 32207

T: 904.543.0400  
www.pondco.com

March 1, 2022

Carl Cote

Director of Stormwater and Engineering

City of Palm Coast

160 Lake Avenue

Palm Coast, FL 32164

**RE: RFSQ-CD-20-20      City of Palm Coast Maintenance and Operations Complex  
@ Peavy Grade & Matanzas Parkway Site  
Additional Design Services: New site and expanded program**

Mr. Cote:

We appreciate the opportunity to present this proposal for additional design services related to the development of the new site for the Maintenance and Operations Complex. The new site is larger and will accommodate additional program elements desired by the city. Furthermore, the overall development of the site will be undertaken in phases. The increased scope of our design services is described in Appendix A. The fee associated with the increased scope is summarized below and further delineated in Appendix B. As described in Appendix A a credit amount for Schematic Design in lieu of Design Development for buildings in Site Scope Area C is proposed in order to provide the City of Palm Coast flexibility in choosing the appropriate level of design to facilitate environmental permitting, cost estimating and efficient planning for future phases of work.

Additional Services Fee Summary

<i>Expanded Site Investigation and Site Design Scope</i>	<i>\$59,815.00</i>
<i>Expanded/Modified Building Design Scope – A/E Design Services</i>	<i>\$814,500.00</i>
<i>Sustainability: Solar ROI</i>	<i>\$25,000.00</i>
<i>Project Management</i>	<i>\$85,000.00</i>
<i>Expenses</i>	<i>\$4,000.00</i>
<b>TOTAL</b>	<b>\$988,315.00</b>
<i>CREDIT Site Area C Buildings - Design Development</i>	<i>(-) \$284,599.00</i>
<b>TOTAL – ALTERNATE</b>	<b>\$703,716.00</b>

If you find this proposal acceptable, please forward the appropriate approval to our office.

Sincerely,

Kyle Kirkwood, AIA LEED AP  
Project Manager | Architect

Steve Harrill, AIA  
Principal | Vice-President

Attachments:

Appendix A: Scope of Work Description

Appendix B: Fee Schedule

Appendix C: Scope of Work Areas



## Appendix A - Scope of Work

### EXPANDED SITE INVESTIGATION AND SITE DESIGN SCOPE

#### **Geotechnical**

Site Scope Areas A & B: Sub-surface investigation and Geotechnical report in scope areas A & B for proposed building, parking and road areas. See Attached Scope of Work areas.

Site Scope Area C: Preliminary sub-surface investigation and Geotechnical report in scope area C to facilitate preliminary civil design. Borings will be located in a grid and adjusted so that most of the borings fall within the building/stormwater/pavement areas to optimize coverage but also reduce the number of borings needed during a design level Geotech. Additional borings and sub-surface investigation at a later time when building locations are finalized may be required. See Attached Scope of Work areas.

#### **Civil**

Civil design in Scope Area C to facilitate site design, cost estimating, environmental permitting and release of conservation easements. Preliminary design work will address cut/fill analysis, grading, site utilities/infrastructure, and stormwater management.

### SCOPE AREAS A & B: FULL A/E SERVICES FOR EXPANDED/MODIFIED BUILDING DESIGN SCOPE

The scope and complexity of the Wash Building and Fueling Operations increased during the master planning of the new site. The A/E design services for these program components has been adjusted to reflect the change in scope and is for full A/E design (Concept, SD, DD, CD, and CA) as, the intent is to construct each as soon as possible, based upon availability of funds. Refer to attached fee schedule.

**Wash Building:** Original scope on the smaller site was a two bay building/covered area, consisting of a Chassis Wash Bay and Rough Wash bay. The expanded scope consists of multiple bays for automated wash equipment for medium and large vehicles, rough wash bays, detail work bays for smaller equipment and support spaces.

**Fueling:** The original scope was a pre-engineered skid-mounted system. The expanded scope of the vehicular fueling system includes up to a 6-lane dispensing station with weather protection (roof/canopy) and will also incorporate a smaller fuel system dedicated to maintenance equipment, either integrated into the main station or located nearby.

### **SCOPE AREA C: PARTIAL A/E SERVICES FOR EXPANDED/MODIFIED BUILDING DESIGN SCOPE**

The new site is much larger than the previous site and, as reflected in the new site master plan, accommodates additional and expanded program components that were not included in the original A/E proposal.

#### **New Scope:**

**Warehouse.** The warehouse is an entirely new program component and stand-alone building

**Chemical Storage:** The Chemical Storage building which will be a simple stand-alone structure and possibly pre-fabricated was identified as a need during the previous site design and was not included in the original A/E proposal for building design.

**Utility Department:** The utility department is an entirely new program component whose needs are being incorporated into the Administration/Operations Building, Shops, Warehouse, and Site Design.

#### **Existing Scope/Fee Adjustment**

**PW/Operations.** The fee for the concept design of the Main Administration and Shops building which will incorporate the Utility Department has been discounted to reflect the value of concept design work undertaken at the previous site.

#### **Level of A/E Services for Site Scope Area C**

Site Scope Area C is not expected to be developed immediately. However, the city intends to authorize the appropriate level of design to facilitate reliable cost estimating and planning for the efficient development of the entire site. Our original proposal included A/E services to the level of Design Development for this purpose. The proposed additional service for the new and expanded scope is for Design Development level of services. If the City chooses to authorize Schematic Design in lieu of Design Development, a credit amount is provided in the fee schedule. Refer to attached Fee Schedule.

### **SUSTAINABILITY**

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**Solar ROI:** An allowance is proposed for the completion of a SOLAR ROI. The final cost of the ROI will be determined based upon client engagement regarding energy utilization goals and strategies and the further design development of the project.

### **Project Management**

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The overall project management fee increase is related to extended project duration, added scope, management of phases, and coordination with Matanzas Parkway extension.

### **Expenses**

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**Travel:** Travel for the equipment design consultant, HDR, was inadvertently omitted from the original proposal. Travel expenses are being included as reimbursables to compensate for travel and lodging during design and construction of the first Phase of work; Scope areas A & B.

## Appendix B – Fee Schedule

**Client: City of Palm Coast**

**Project: City of Palm Coast Public Works Facility**

**Phase: New Site – Additional Services: New Site + Expanded Program**

Description		Sub-totals
<b>EXPANDED SITE INVESTIGATION AND SITE DESIGN SCOPE</b>		
<b>Geotechnical (Universal)</b>		
Scope Areas A & B buildings & site	\$8,500.00	\$16,090.00
Scope Area C: prelim for civil analysis	\$7,590.00	
<b>Civil: (DRMP)</b>		
Site Scope Area C prelim mass grading + cut/fill analysis	\$12,650.00	\$43,725.00
Site Scope Area C site plan	\$8,250.00	
Site Scope Area C prelim site utility plan	\$9,075.00	
Site Scope Area C prelim site stormwater plan	\$13,750.00	
<b>EXPANDED/MODIFIED BUILDING DESIGN SCOPE - DESIGN TEAM - BASIC SERVICES</b>		
<b>SITE AREA A &amp; B: Priority Scope - Full A/E Design</b>		
Wash Building: additional complexity and program areas	\$416,000.00	\$561,000.00
Fueling: expanded fueling operations	\$145,000.00	
<b>SITE AREA C: Future Scope - Partial Design - Design Development or Schematic Design</b>		
Admin/Shops - PW, Utility Dept, Warehouse, Chemical Storage, Covered Areas		\$253,500.00
Design Development - DD*	\$253,500.00	
<b>GENERAL</b>		
<b>Sustainability</b>		
Solar ROI - allowance	\$25,000.00	\$25,000.00
<b>Project Management</b>		
Project Management - Pond	\$85,000.00	\$85,000.00
<b>Expenses</b>		
Travel (HDR)	\$4,000.00	\$4,000.00
Individual Total -A/E Services	\$988,315.00	\$988,315.00
<b>TOTAL</b>	<b>\$988,315.00</b>	
* Design Development CREDIT (Schematic Design Only Area C Bldgs) reflects add service for new scope, less credit for DD of PW Admin/Shops	-\$284,599.00	
<b>TOTAL - ALTERNATE</b>	<b>\$703,716.00</b>	





- A** SITE PREP A
- B** SITE PREP B
- C** SITE PREP C

**SITE PHASING PLAN**





- ① FLEET MAINTENANCE
- ② WASH BUILDING
- ③ FUELING
- ④ ADMIN/SHOPS

**BUILDING  
PHASING PLAN**



# City of Palm Coast, Florida Agenda Item

Agenda Date: March 8, 2022

<b>Department</b>	CONSTRUCTION MANAGEMENT & ENGINEERING	<b>Amount</b>	\$1,760,681.77
<b>Item Key</b>	13207	<b>Account</b>	#21097011-063000-54620
<b>Subject</b>	RESOLUTION 2022-XX APPROVING A WORK ORDER WITH DRMP, INC., FOR ENGINEERING DESIGN SERVICES FOR MATANZAS PARKWAY WEST EXTENSION		
<b>Presenter : Carl Cote, Director of Stormwater &amp; Engineering</b>			
<p><b>Background :</b>  <b>COUNCIL PRIORITY:</b>  <b>D. Service Delivery and Efficiency</b></p> <p style="padding-left: 40px;">1) <b>Ensure that the Public Works Facility is top priority facility project and commence with initial improvements based on Capital Improvement Plan timeline</b></p> <p>The Florida East Coast Railway (FEC) runs north/south just west of US-1, bisecting Palm Coast. There are approximately 12,000 acres of land within the City limits and west of the railroad tracks, with limited access. Currently, there are only two, at grade, railroad crossings within the city limits. The City is actively evaluating options for three additional westbound corridors at Matanzas Woods Parkway, Palm Coast Parkway, and Whiteview Parkway. Judicious transportation investments lower the costs of moving people and goods increasing economic productivity. Because productivity is a central component of economic growth, it should be a strong consideration when assessing the value of transportation expenditures. Opening these corridors will promote economic opportunities in Palm Coast and Flagler County. Transportation access to the west is part of the Northeast Florida Regional Council's 2022 Legislative Priorities as adopted by City Council.</p> <p>Due to several factors the City proceeded with performing an analysis of the western extension of Matanzas Woods Parkway.</p> <ul style="list-style-type: none"> <li>• Its close proximity to US1, connection to I-95, and fewer environmental constraints than other areas, Matanzas Woods is a viable solution for access to the west.</li> <li>• Current site development was occurring between the railroad and the current termination point of Matanzas Woods Parkway which expedited the need to coordinate with developer and determine a roadway alignment and identify right-of-way needs.</li> <li>• The City is developing a Master Plan for a new Public Works Facility that will connect to and abut the West Matanzas Woods Parkway and will require coordination for access points and traffic circulation as well as potentials for a shared stormwater facility.</li> </ul> <p>The City engaged England-Thim &amp; Miller, Inc. to perform a feasibility study to coordinate a roadway alignment. This roadway alignment assisted with access points, stormwater and rights-of-way needs. The City acquired one parcel of land as part of the land purchase for the</p>			

Public Works facility and the City is under negotiations to finalize a purchase agreement for the remaining lands needed on the eastern side of the railroad system. The City has also engaged the landowner to the west of the railroad to discuss rights-of-way needs for lands on the west side of the railroad tracks. A proposed roadway alignment has been finalized and staff utilized this information to seek engineering services to complete the design.

The proposed design will have a complete set of roadway construction contract plans, utility plans, landscape and irrigation plans, specifications, and other related tasks as necessary, for the extension of the West Matanzas Woods Parkway to be used by a contractor to completely construct the improvements, and by staff to ensure the project is built as designed and to specifications. The consultant will apply for and obtain all required permits, including but not limited to SJRWMD, USACOE, FDEP, and FEC. Work will include roadway design, stormwater design, utility plans, traffic signal design improvements, landscape and irrigation plans, bidding documents, surveys, geotechnical investigation, maintenance of traffic, and cost estimates and all necessary incidental items to complete the project. It is expected that this project will be constructed in phases along its length as well as phased from an initial 2-lane section to a 4-lane section in the future.

Staff advertised a request for qualifications (RFSQ-22-23) for engineering services for the western extension of the West Matanzas Woods Parkway project extension from the current terminus westward to serve the Public Works Facility with a flyover the railroad with a new termination at grade on the western side of the railroad tracks.

Staff negotiated a scope and fee with DRMP, Inc., for an amount not-to-exceed \$1,760,681.77. City staff has determined that the cost for these services are reasonable and fair and are consistent with these types of services for a project of this size and scope. Funds for this project are budgeted in the Transportation Impact Fee Fund.

**SOURCE OF FUNDS WORKSHEET FY 2022**

Transportation Impact Fee 21097011-063000-54620	\$ 825,000.00
Total Expended/Encumbered to Date.....	\$ 35,046.86
Pending Work Orders/Contracts.....	\$ 0
Current (WO/Contract).....	<u>\$ 789,953.14</u>
<b>Balance</b> .....	<b>\$ 0</b>

**SOURCE OF FUNDS WORKSHEET FY 2023**

Transportation Impact Fee 21097011-063000-54620	\$ 970,728.63
Total Expended/Encumbered to Date.....	\$ 0
Pending Work Orders/Contracts.....	\$ 0
Current (WO/Contract).....	<u>\$ 970,728.63</u>
<b>Balance</b> .....	<b>\$ 0</b>

**Recommended Action :**  
**ADOPT RESOLUTION 2022-XX APPROVING A WORK ORDER WITH DRMP, INC., FOR ENGINEERING DESIGN SERVICES FOR MATANZAS PARKWAY WEST EXTENSION**

**RESOLUTION 2022-\_\_\_\_\_**  
**MATANZAS PARKWAY WEST EXTENSION**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, APPROVING A WORK ORDER WITH DRMP, INC., TO PROVIDE DESIGN SERVICES FOR THE MATANZAS PARKWAY WEST EXTENSION; AUTHORIZING THE CITY MANAGER, OR DESIGNEE, TO EXECUTE NECESSARY DOCUMENTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS; PROVIDING FOR IMPLEMENTING ACTIONS AND PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, DRMP, Inc., has expressed a desire to provide design services for the Matanzas Parkway West Extension for the City of Palm Coast; and

**WHEREAS**, the City Council of the City of Palm Coast desires for DRMP, Inc., to provide engineering services for the above-mentioned project.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, AS FOLLOWS:**

**SECTION 1. APPROVAL OF WORK ORDER.** The City Council of the City of Palm Coast hereby approves the terms and conditions of the work order with DRMP, Inc., to provide engineering services for Matanzas Parkway West Extension, as attached hereto and incorporated herein by reference as Exhibit “A.”

**SECTION 2. AUTHORIZATION TO EXECUTE.** The City Manager, or designee, is hereby authorized to execute the necessary documents.

**SECTION 3. SEVERABILITY.** If any section or portion of a section of this Resolution proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force, or effect of any other section or part of this Resolution.

**SECTION 4. CONFLICTS.** All resolutions or parts of resolutions in conflict with any of the provisions of this Resolution are hereby repealed.

**SECTION 5. IMPLEMENTING ACTIONS.** The City Manager is hereby authorized to take any actions necessary to implement the action taken in this Resolution.

**SECTION 6. EFFECTIVE DATE.** This Resolution shall take effect immediately upon its passage and adoption.

**DULY PASSED AND ADOPTED** by the City Council of the City of Palm Coast, Florida, on this 15<sup>th</sup> day of March 2022.

*ATTEST:*

**CITY OF PALM COAST**

\_\_\_\_\_  
VIRGINIA A. SMITH, CITY CLERK

\_\_\_\_\_  
DAVID ALFIN, MAYOR

APPROVED AS TO FORM AND LEGALITY:

\_\_\_\_\_  
NEYSA BORKERT, CITY ATTORNEY

Attachment: Exhibit "A" – Proposal DRMP





# City of PALM COAST

**Finance Department**  
Budget & Procurement Office

160 Lake Avenue  
Palm Coast, FL 32164  
386-986-3730

## NOTICE OF INTENT TO AWARD

**Project:** ENGINEERING DESIGN SERVICES FOR WEST MATANZAS WOODS PARKWAY EXTENSION PROJECT - RFSQ-SWE-22-23

**Date:** 2/4/2022

**Appeal Deadline:** Appeals must be Filed by 5:00 PM on 2/9/2022

Firm	Rank
<b>DRMP, Inc.</b>	<b>1</b>
METRO Consulting Group, LLC	2
England-Thims & Miller, Inc.	3
LTG, Inc.	4

The intent of the City of Palm Coast is to award ENGINEERING DESIGN SERVICES FOR WEST MATANZAS WOODS PARKWAY EXTENSION PROJECT to DRMP, Inc.

**Cc: Contract Coordinator, Project Manager, BPO Manager, Financial Services Director, Department Director**

*For questions regarding the NOIT please contact Procurement Coordinator CLuedke@palmcoastgov.com.*

*Bid protests arising under City Bidding Documents or Procedures shall be resolved under the City of Palm Coast Budget and Procurement Office Bid Protest procedures.*

*A proposer may protest matters involving the award of this Bid within three (3) business days from the posting of this recommendation to award. Failure to protest to the City's Financial Services Director, Helena Alves ([HALves@palmcoastgov.com](mailto:HALves@palmcoastgov.com)) shall constitute a waiver of the protest proceedings.*





# RFSQ-SWE-22-23 - ENGINEERING DESIGN SERVICES FOR WEST MATANZAS WOODS PARKWAY EXTENSION PROJECT

## Project Overview

Project Details	
Reference ID	RFSQ-SWE-22-23
Project Name	ENGINEERING DESIGN SERVICES FOR WEST MATANZAS WOODS PARKWAY EXTENSION PROJECT
Project Owner	Casey Luedke
Project Type	RFSQ
Department	Procurement
Budget	\$0.00 - \$0.00
Project Description	The City of Palm Coast is seeking statements of qualification from professional consulting firms to provide professional services for the design of the West Matanzas Woods Parkway Extension Project.
Open Date	Dec 22, 2021 8:00 AM EST
Intent to Bid Due	Jan 26, 2022 2:00 PM EST
Close Date	Jan 27, 2022 2:00 PM EST

Awarded Suppliers	Reason	Score
DRMP, Inc.		92 pts



## Seal status

Requested Information	Unsealed on	Unsealed by
RFSQ Proposal	Jan 27, 2022 2:01 PM EST	Casey Luedke
Required Forms 1 - 5	Jan 27, 2022 2:01 PM EST	Casey Luedke
Addendum No 1 (Signed and Dated)	Jan 27, 2022 2:01 PM EST	Casey Luedke
Addendum No 2 (Signed and Dated)	Jan 27, 2022 2:01 PM EST	Casey Luedke

## Conflict of Interest

# Declaration of Conflict of Interest You have been chosen as a Committee member for this Evaluation. Please read the following information on conflict of interest to see if you have any problem or potential problem in serving on this committee. ## Code of Conduct All information related to submissions received from Suppliers or Service Providers must be kept confidential by Committee members. ## Conflict of Interest No member of a Committee shall participate in the evaluation if that Committee member or any member of his or her immediate family: \* has direct or indirect financial interest in the award of the contract to any proponent; \* is currently employed by, or is a consultant to or under contract to a proponent; \* is negotiating or has an arrangement concerning future employment or contracting with any proponent; or, \* has an ownership interest in, or is an officer or director of, any proponent. Please sign below acknowledging that you have received and read this information. If you have a conflict or potential conflict, please indicate your conflict on this acknowledgment form with information regarding the conflict. I have read and understood the provisions related to the conflict of interest when serving on the Evaluation Committee. If any such conflict of interest arises during the Committee's review of this project, I will immediately report it to the Purchasing Director.

Name	Date Signed	Has a Conflict of Interest?
Carl Cote	Jan 28, 2022 2:29 PM EST	No
Michael Grunewald	Feb 01, 2022 7:32 AM EST	No



Casey Luedke	Jan 27, 2022 2:01 PM EST	No
Vineesh Crawford	Jan 31, 2022 7:44 AM EST	No



## Project Criteria

Criteria	Points	Description
Administrative Review	Pass/Fail	Check for submission as requested and completeness
Project Understanding and Proposal	20 pts	This section shall establish that the Proposer understands the City's objectives and work requirements and Proposer's ability to satisfy those objectives and requirements. Succinctly describe the proposed approach for addressing the required services and the Proposer's ability to meet the City's schedule for providing the work, service, outlining the approach that would be undertaken in providing the requested services. 0 = Unacceptable – No Response Provided or Information Does not Meet or Comply with Criteria 1 = Poor – Partial submittal or very limited info meets requirements 2 = Below Standard – Mostly does not meet requirements 3 = Marginal – Partially Meets Criteria 4 = Average – Barely Meets Requirements 5 = Above Average – Meets Requirements 6 = Good – Slightly above Requirements 7 = Very Good – Meets Requirements with partial that exceed 8 = Well above average – Meets Requirements with majority that exceed 9 = Excellent – Exceeds Requirements 10 = Outstanding – Far Exceeds Requirements
Experience with Similar Projects	40 pts	Provide a listing of similar projects, maximum of three, by a team member who is specifically part of the team proposed in the response. Identify specific project details, including but not limited to, location, description of the funding entity, project budget, project description, length, and outcomes. Provide the contact information for the entities where work has been done for reference purposes. 0





		<p>= Unacceptable – No Response Provided or Information Does not Meet or Comply with Criteria 1 = Poor – Partial submittal or very limited info meets requirements 2 = Below Standard – Mostly does not meet requirements 3 = Marginal – Partially Meets Criteria 4 = Average – Barely Meets Requirements 5 = Above Average – Meets Requirements 6 = Good – Slightly above Requirements 7 = Very Good – Meets Requirements with partial that exceed 8 = Well above average – Meets Requirements with majority that exceed 9 = Excellent – Exceeds Requirements 10 = Outstanding – Far Exceeds Requirements</p>
Project Team	40 pts	<p>Provide an organization chart showing a staffing plan, which clearly illustrates the key elements of the organizational structure of the entire project team with specific proposed functions for each individual listed. Identify the project team members, including major and minor sub-consultants, and provide their contact information and technical resumes. Project management and key personnel within each area of required services shall be identified and past experience of each, as it relates to this project, shall be discussed. The City must approve any changes to the Project Management &amp; Key Personnel. This section should include information only on the individuals who will perform work on this project. Provide detail that identifies anticipated major milestones and their associated phasing as well as the allocation of existing resources. The information provided under this section should be limited to a maximum of ten (10) pages. 0 = Unacceptable – No Response Provided or Information Does not Meet or Comply with Criteria 1 = Poor – Partial submittal or very limited info meets requirements 2 = Below Standard – Mostly does not meet requirements 3 = Marginal – Partially Meets Criteria 4 = Average – Barely Meets Requirements 5 = Above Average – Meets Requirements 6 = Good – Slightly above Requirements 7 = Very Good – Meets Requirements with partial that exceed 8 = Well above average – Meets</p>



		Requirements with majority that exceed 9 = Excellent – Exceeds Requirements 10 = Outstanding – Far Exceeds Requirements
<b>Total</b>	<b>100 pts</b>	



# Scoring Summary

## Active Submissions

	<b>Total</b>	<b>Administrative Review</b>	<b>Project Understanding and Proposal</b>	<b>Experience with Similar Projects</b>	<b>Project Team</b>
<b>Supplier</b>	<b>/ 100 pts</b>	<b>Pass/Fail</b>	<b>/ 20 pts</b>	<b>/ 40 pts</b>	<b>/ 40 pts</b>
DRMP, Inc.	92 pts	Pass	19 pts	36.33 pts	36.67 pts
METRO Consulting Group, LLC	84 pts	Pass	18.67 pts	31.67 pts	33.67 pts
England-Thims & Miller, inc.	83.33 pts	Pass	16.67 pts	33 pts	33.67 pts
LTG, Inc.	71.33 pts	Pass	16 pts	25.33 pts	30 pts

**ESTIMATE OF WORK EFFORT AND COST - DRMP**

Name of Project: W Matanzas Woods Parkway Extension  
 County: Flagler  
 FPN: TBD  
 FAP No.: N/A

Consultant Name: DRMP  
 Consultant No.: enter consultants proj. number  
 Date: 3/1/2022  
 Estimator: insert name

Staff Classification	Total Staff Hours From "SH Summary - Firm"	SR Project Manager IV	Chief Engineer 2	Chief Engineer 1	Engineer VIII	Engineer VI	Engineer III	Eng. Tech V	Eng Tech II	Senior Ecologist	Chief Environmental Scientist	Admin. Support II	Unused classification	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$275.00	\$250.00	\$190.00	\$170.00	\$135.00	\$100.00	\$90.00	\$65.00	\$160.00	\$125.00	\$75.00	\$0.00			
3. Project General and Project Common Tasks	505	328	25	0	100	0	0	0	0	0	0	51	0	504	\$117,275	\$232.69
4. Roadway Analysis	2,075	208	144	0	622	623	374	104	0	0	0	0	0	2,075	\$329,805	\$158.94
5. Roadway Plans	438	22	31	0	109	153	101	22	0	0	0	0	0	438	\$65,065	\$148.55
6a. Drainage Analysis	854	85	60	0	256	214	154	85	0	0	0	0	0	854	\$133,835	\$156.72
6b. Drainage Plans	456	23	32	0	114	137	91	59	0	0	0	0	0	456	\$66,610	\$146.07
7. Utilities	155	8	3	0	38	47	31	20	0	0	0	8	0	155	\$21,255	\$137.13
8. Environmental Permits, and Env. Clearances	665	33	0	0	100	0	0	0	0	233	266	33	0	665	\$99,080	\$148.99
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	320	16	22	0	80	96	64	42	0	0	0	0	0	320	\$46,640	\$145.75
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	934	47	112	0	280	280	168	47	0	0	0	0	0	934	\$147,355	\$157.77
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	200	10	24	0	60	60	36	10	0	0	0	0	0	200	\$31,550	\$157.75
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	224	11	16	0	79	56	40	22	0	0	0	0	0	224	\$33,995	\$151.76
20. Signing & Pavement Marking Plans	40	2	3	0	10	12	8	5	0	0	0	0	0	40	\$5,870	\$146.75
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
23. Lighting Analysis	318	16	22	0	111	80	57	32	0	0	0	0	0	318	\$48,150	\$151.42
24. Lighting Plans	68	3	5	0	17	20	14	9	0	0	0	0	0	68	\$9,875	\$145.22
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
<b>Total Staff Hours</b>	7,252	812	499	0	1,976	1,778	1,138	457	0	233	266	92	0	7,251		
<b>Total Staff Cost</b>		\$223,300.00	\$124,750.00	\$0.00	\$335,920.00	\$240,030.00	\$113,800.00	\$41,130.00	\$0.00	\$37,280.00	\$33,250.00	\$6,900.00	\$0.00		<b>\$1,156,360.00</b>	<b>\$159.48</b>

Check = \$1,156,360.00

Survey Field Days by Subconsultant  
 4 - Person Crew:

SALARY RELATED COSTS:				\$1,156,360.00
OVERHEAD:		0%		\$0.00
OPERATING MARGIN:		0%		\$0.00
FCCM (Facilities Capital Cost Money):		0.00%		\$0.00
EXPENSES:		2.50%		\$28,909.00
Survey (Field - if by Prime)	0	4-person crew days @	\$ - / day	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>				<b>\$1,185,269.00</b>
Subconsultant: DRMP Survey				\$136,527.50
Subconsultant: ETM				\$60,096.00
Subconsultant: MATTHEWS				\$145,154.22
Subconsultant: ARDAMAN				\$141,826.00
<b>SUBTOTAL ESTIMATED FEE:</b>				<b>\$1,668,872.72</b>
Geotechnical Field and Lab Testing				\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>				<b>\$1,668,872.72</b>
Optional Services				\$108,085.00
<b>GRAND TOTAL ESTIMATED FEE:</b>				<b>\$1,776,957.72</b>

Notes:

- This sheet to be used by Prime Consultant to calculate the Grand Total fee.
- Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.
- Expenses include SJRWMD Permit fees for 2 individual ERP's and 2 FDEP Section 404 permit application fees. Additional permit fees and mitigation costs are the responsibility of the City.
- Railroad Permitting fees are the responsibility of the City.

**ESTIMATE OF WORK EFFORT AND COST - DRMP SURVEY**

Name of Project: W Matanzas Woods Parkway Extension  
 County: Flagler  
 FPN: TBD  
 FAP No.: N/A

Consultant Name: DRMP  
 Consultant No.: enter consultants proj. number  
 Date: 3/1/2022  
 Estimator: insert name

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Senior Prof. Surveyor and Mapper	Prof. Surveyor and Mapper	Survey Technician III	SUE Project Manager	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$0.00	\$220.00	\$145.00	\$110.00	\$145.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, and Env. Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	232	0	35	81	104	12	0	0	0	0	0	0	0	232	\$32,625	\$140.63
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	127	0	19	38	70	0	0	0	0	0	0	0	0	127	\$17,390	\$136.93
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
<b>Total Staff Hours</b>	359	0	54	119	174	12	0	0	0	0	0	0	0	359		
<b>Total Staff Cost</b>		\$0.00	\$11,880.00	\$17,255.00	\$19,140.00	\$1,740.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$50,015.00	\$139.32

Check = \$50,015.00

SALARY RELATED COSTS:				\$50,015.00
OVERHEAD:		0%		\$0.00
OPERATING MARGIN:		0%		\$0.00
FCCM (Facilities Capital Cost Money):		0.00%		\$0.00
EXPENSES:		0.00%		\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>				<b>\$50,015.00</b>
Survey (Field)	27	3-person crew	\$ 2,000 / day	\$54,112.50
Survey (SUE)	14	3-person crew	\$ 2,400 / day	\$32,400.00
<b>Geotechnical Field and Lab Testing</b>				<b>\$0.00</b>
<b>SUBTOTAL ESTIMATED FEE:</b>				<b>\$136,527.50</b>
Optional Services				\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>				<b>\$136,527.50</b>

Notes:

- This sheet to be used by Subconsultant to calculate its fee.
- Survey crew based on 3 man 10 hour days
- SUE crew base on 3 man 10 hour days



**ESTIMATE OF WORK EFFORT AND COST - OPTIONAL SERVICES**

Name of Project: W Matanzas Woods Parkway Extension  
 County: Flagler  
 FPN: TBD  
 FAP No.: N/A

Consultant Name: DRMP  
 Consultant No.: enter consultants proj. number  
 Date: 3/1/2022  
 Estimator: insert name

Staff Classification	Total Staff Hours From "SH Summary - OS"	SR Project Manager IV	Chief Engineer 2	Chief Engineer 1	Engineer VIII	Engineer VI	Engineer III	Eng. Tech V	Eng Tech II	Senior Ecologist	Chief Environmental Scientist	Admin. Support II	Unused classification	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$275.00	\$250.00	\$190.00	\$170.00	\$135.00	\$100.00	\$90.00	\$65.00	\$160.00	\$125.00	\$75.00	\$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	103	10	7	0	31	31	19	5	0	0	0	0	0	103	\$16,305	\$158.30
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, and Env. Clearances	63	3	0	0	9	0	0	0	0	23	25	3	0	63	\$9,385	\$148.97
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	32	2	2	0	8	10	6	4	0	0	0	0	0	32	\$4,720	\$147.50
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	68	3	8	0	21	21	12	3	0	0	0	0	0	68	\$10,700	\$157.35
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	112	6	13	0	33	34	20	6	0	0	0	0	0	112	\$17,640	\$157.50
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	219	11	15	0	77	55	39	22	0	0	0	0	0	219	\$33,170	\$151.46
22. Signalization Plans	52	3	4	0	12	16	10	7	0	0	0	0	0	52	\$7,655	\$147.21
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
<b>Total Staff Hours</b>	649	38	49	0	191	167	106	47	0	23	25	3	0	649		
<b>Total Staff Cost</b>		\$10,450.00	\$12,250.00	\$0.00	\$32,470.00	\$22,545.00	\$10,600.00	\$4,230.00	\$0.00	\$3,680.00	\$3,125.00	\$225.00	\$0.00		<b>\$99,575.00</b>	<b>\$153.43</b>

Check = \$99,575.00

Survey Field Days by Subconsultant  
4 - Person Crew:

Notes:

- This sheet to be used by Prime Consultant to calculate the Grand Total fee.
- Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

SALARY RELATED COSTS:				\$99,575.00
OVERHEAD:		0%		\$0.00
OPERATING MARGIN:		0%		\$0.00
FCCM (Facilities Capital Cost Money):		0.00%		\$0.00
EXPENSES:		0.00%		\$0.00
Survey (Field - if by Prime)		4-person crew days @	\$ - / day	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>				<b>\$99,575.00</b>
Geotechnical Field and Lab Testing				\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>				<b>\$99,575.00</b>
Subconsultant:	HUMPHRIES			\$8,510.00
<b>GRAND TOTAL ESTIMATED FEE:</b>				<b>\$108,085.00</b>

**ESTIMATE OF WORK EFFORT AND COST - ETM**

Name of Project: W Matanzas Woods Parkway Extension  
 County: Flagler  
 FPN: TBD  
 FAP No.: N/A

Consultant Name: DRMP  
 Consultant No.: enter consultants proj. number  
 Date: 3/1/2022  
 Estimator: insert name

Staff Classification	Total Staff Hours From "SH Summary Firm"	Principal	Project Manager	Senior Engineer	Engineer	Designer	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$257.00	\$190.00	\$205.00	\$165.00	\$160.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
3. Project General and Project Common Tasks	72	36	36	0	0	0	0	0	0	0	0	0	0	72	\$16,092	\$223.50
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	240	12	48	60	60	60	0	0	0	0	0	0	0	240	\$44,004	\$183.35
8. Environmental Permits, and Env. Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
<b>Total Staff Hours</b>	312	48	84	60	60	60	0	0	0	0	0	0	0	312		
<b>Total Staff Cost</b>		\$12,336.00	\$15,960.00	\$12,300.00	\$9,900.00	\$9,600.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$60,096.00	\$192.62

Check = \$60,096.00

SALARY RELATED COSTS:			\$60,096.00
OVERHEAD:		0%	\$0.00
OPERATING MARGIN:		0%	\$0.00
FCCM (Facilities Capital Cost Money):		0.00%	\$0.00
EXPENSES:		0.00%	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>			<b>\$60,096.00</b>
Survey (Field)	0	4-person crew	\$ - / day
Geotechnical Field and Lab Testing			\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>			<b>\$60,096.00</b>
Optional Services			\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>			<b>\$60,096.00</b>

Notes:

1. This sheet to be used by Subconsultant to calculate its fee.

**ESTIMATE OF WORK EFFORT AND COST - MATTHEWS**

Name of Project: W Matanzas Woods Parkway Extension  
 County: Flagler  
 FPN: TBD  
 FAP No.: N/A

Consultant Name: DRMP  
 Consultant No.: enter consultants proj. number  
 Date: 3/1/2022  
 Estimator: insert name

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Senior Planner	Landscape Architect	Staff Classification 4	Staff Classification 5	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$0.00	\$114.65	\$143.32	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
3. Project General and Project Common Tasks	46	0	46	0	0	0	0	0	0	0	0	0	0	46	\$5,274	\$114.65
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, and Env. Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
25. Landscape Analysis	491	0	0	491	0	0	0	0	0	0	0	0	0	491	\$70,370	\$143.32
26. Landscape Plans	485	0	0	485	0	0	0	0	0	0	0	0	0	485	\$69,510	\$143.32
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
<b>Total Staff Hours</b>	1,022	0	46	976	0	0	0	0	0	0	0	0	0	1,022		
<b>Total Staff Cost</b>		\$0.00	\$5,273.90	\$139,880.32	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		<b>\$145,154.22</b>	<b>\$142.03</b>

Check = \$145,154.22

SALARY RELATED COSTS:			\$145,154.22
OVERHEAD:		0%	\$0.00
OPERATING MARGIN:		0%	\$0.00
FCCM (Facilities Capital Cost Money):		0.00%	\$0.00
EXPENSES:		0.00%	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>			<b>\$145,154.22</b>
Survey (Field)	0	4-person crew	\$ - / day
Geotechnical Field and Lab Testing			\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>			<b>\$145,154.22</b>
Optional Services			\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>			<b>\$145,154.22</b>

Notes:

1. This sheet to be used by Subconsultant to calculate its fee.

**ESTIMATE OF WORK EFFORT AND COST - ARDAMAN**

Name of Project: W Matanzas Woods Parkway Extension  
 County: Flagler  
 FPN: TBD  
 FAP No.: N/A

Consultant Name: DRMP  
 Consultant No.: enter consultants proj. number  
 Date: 3/1/2022  
 Estimator: insert name

Staff Classification	Total Staff Hours From "SH Summary Ardaman"	Project Manager	Senior Engineer	Project Engineer	Assistant Project	CADD/Computer	Secretary/Clerical	Senior Eng. Tech.	Staff Classificatio	Staff Classificatio	Staff Classificatio	Staff Classificatio	Staff Classificatio	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$0.00	\$190.00	\$145.00	\$110.00	\$82.00	\$60.00	\$80.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits, and Env. Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	537	0	60	150	200	75	20	32	0	0	0	0	0	537	\$65,060	\$121.15
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
<b>Total Staff Hours</b>	537	0	60	150	200	75	20	32	0	0	0	0	0	537		
<b>Total Staff Cost</b>		\$0.00	\$11,400.00	\$21,750.00	\$22,000.00	\$6,150.00	\$1,200.00	\$2,560.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		<b>\$65,060.00</b>	<b>\$121.15</b>

Check = \$65,060.00

SALARY RELATED COSTS:				\$65,060.00
OVERHEAD:		0%		\$0.00
OPERATING MARGIN:		0%		\$0.00
FCCM (Facilities Capital Cost Money):		0.00%		\$0.00
EXPENSES:		0.00%		\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>				<b>\$65,060.00</b>
Survey (Field)	0	4-person crew	\$ - / day	\$0.00
Geotechnical Field and Lab Testing				\$76,766.00
<b>SUBTOTAL ESTIMATED FEE:</b>				<b>\$141,826.00</b>
Optional Services				\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>				<b>\$141,826.00</b>

Notes:

1. This sheet to be used by Subconsultant to calculate its fee.

**ESTIMATE OF WORK EFFORT AND COST - HUMPHRIES**

Name of Project: W Matanzas Woods Parkway Extension  
 County: Flagler  
 FPN: TBD  
 FAP No.: N/A

Consultant Name: DRMP  
 Consultant No.: enter consultants proj. number  
 Date: 3/1/2022  
 Estimator: insert name

Staff Classification	Total Staff Hours From "SH Summary Firm"	Project Manager	Senior Engineer	0	0	0	0	0	0	0	0	0	0	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$0.00	\$185.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	46	0	46	0	0	0	0	0	0	0	0	0	46	\$8,510	\$185.00	
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
8. Environmental Permits, and Env. Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
30. Terrestrial Mobile LiDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!	
<b>Total Staff Hours</b>	46	0	46	0	0	0	0	0	0	0	0	0	46			
<b>Total Staff Cost</b>		\$0.00	\$8,510.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$8,510.00	\$185.00

Check = \$8,510.00

SALARY RELATED COSTS:			\$8,510.00
OVERHEAD:		0%	\$0.00
OPERATING MARGIN:		0%	\$0.00
FCCM (Facilities Capital Cost Money):		0.00%	\$0.00
EXPENSES:		0.00%	\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>			<b>\$8,510.00</b>
Survey (Field)	0	4-person crew	\$ - / day
Geotechnical Field and Lab Testing			\$0.00
<b>SUBTOTAL ESTIMATED FEE:</b>			<b>\$8,510.00</b>
Optional Services			\$0.00
<b>GRAND TOTAL ESTIMATED FEE:</b>			<b>\$8,510.00</b>

Notes:  
 1. This sheet to be used by Subconsultant to calculate its fee.



**Project Activity 3: General Tasks - DRMP**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	0	0	N/A
3.1.2	Notifications	LS	1	0	0	N/A
3.1.3	Preparing Mailing Lists	LS	1	0	0	N/A
3.1.4	Median Modification Letters	LS	1	0	0	N/A
3.1.5	Driveway Modification Letters	LS	1	0	0	N/A
3.1.6	Newsletters	LS	1	0	0	N/A
3.1.7	Renderings and Fly Throughs	LS	1	0	0	N/A
3.1.8	PowerPoint Presentation	LS	1	0	0	N/A
3.1.9	Public Meeting Preparations	LS	1	8	8	Prime Coordination effort. See Mathews Tab 3 for additional hours.
3.1.10	Public Meeting Attendance/Followup	LS	1	24	24	Prime attendance (3 people @ 6 hours). Prime follow-up (3 people at 2 hrs). See Mathews Tab 3 for additional hours.
3.1.11	Other Agency Meetings	LS	1	8	8	FEC Railroad (2 people at 4 hrs)
3.1.12	Web Site	LS	1	0	0	
<b>3.1 Public Involvement Subtotal</b>					<b>40</b>	
3.2	Joint Project Agreements	EA	0	0	0	
3.3	Specifications & Estimates					
3.3.1	Specifications Package Preparation	LS	1	4	4	PM review. See Tab 4 for development hours
3.3.2	Estimated Quantities Report Preparation	LS	1	4	4	PM review. See Tab 4 for development hours
3.4	Contract Maintenance and Project Documentation	LS	1	168	168	36 months at 4hrs/month plus set up (16hrs initial + (2)4hrs for additional phases)
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	N/A
3.6	Prime Consultant Project Manager Meetings	LS	1	197	197	See listing below
3.7	Plans Update	LS	1	0	0	N/A

**Project Activity 3: General Tasks - DRMP**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	0	0	N/A
3.9	Digital Delivery	LS	1	4	4	PM review. See Tab 4 for development hours
3.10	Risk Assessment Workshop	LS	1	0	0	N/A
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	16	16	PM coordination with FEC
3.11.1	Aeronautical Evaluation	LS	1	0	0	N/A
3.12	Landscape and Existing Vegetation Coordination	LS	1	0	0	See Mathews tab 3
3.13	Other Project General Tasks	LS	1	72	72	PM Management of subconsultants (2hrs/mo*36 mo)
<b>3. Project Common and Project General Tasks Total</b>					<b>505</b>	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	10	5	50	
Drainage	EA	6	5	30	
Utilities	EA	2	5	10	
Environmental	EA	4	5	20	
Structures	EA	0	0	0	
Signing & Pavement Marking	EA	0	0	0	
Signalization	EA	0	0	0	
Lighting	EA	0	0	0	
Landscape Architecture	EA	2	4	8	
Survey	EA	1	2	2	
Photogrammetry	EA	0	0	0	
ROW & Mapping	EA	0	0	0	
Terrestrial Mobile LIDAR	EA	0	0	0	
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	EA	0	0	0	
Geotechnical	EA	0	0	0	
Progress Meetings	EA	6	5	30	
Phase Reviews	EA	3	5	15	
Field Reviews	EA	4	8	32	1 visit per phase + 1 additional misc. visit
<b>Total Project Manager Meetings</b>		38		197	Total PM Meeting Hours carries to Task 3.6 above

Project Activity 3: General Tasks - DRMP

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
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Notes:

1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
2. Do not double count agency meetings between permitting agencies.
3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.

**Project Activity 3: General Tasks - ETM**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	0	0	
3.1.2	Notifications	LS	1	0	0	
3.1.3	Preparing Mailing Lists	LS	1	0	0	
3.1.4	Median Modification Letters	LS	1	0	0	
3.1.5	Driveway Modification Letters	LS	1	0	0	
3.1.6	Newsletters	LS	1	0	0	
3.1.7	Renderings and Fly Throughs	LS	1	0	0	
3.1.8	PowerPoint Presentation	LS	1	0	0	
3.1.9	Public Meeting Preparations	LS	1	0	0	
3.1.10	Public Meeting Attendance/Followup	LS	1	0	0	
3.1.11	Other Agency Meetings	LS	1	0	0	
3.1.12	Web Site	LS	1	0	0	
<b>3.1 Public Involvement Subtotal</b>					<b>0</b>	
3.2	Joint Project Agreements	EA	0	0	0	
3.3	Specifications Package Preparation	LS	1	0	0	
3.4	Contract Maintenance and Project Documentation	LS	1	0	0	
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	0	0	See listing below
3.7	Plans Update	LS	1	0	0	

**Project Activity 3: General Tasks - ETM**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	0	0	
3.9	Digital Delivery	LS	1	0	0	
3.10	Risk Assessment Workshop	LS	1	0	0	
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	
3.11.1	Aeronautical Evaluation	LS	1	0	0	
3.12	Landscape and Existing Vegetation Coordination	LS	1	0	0	
3.13	Other Project General Tasks	LS	1	72	72	Provide project coordination with DRMP and COPC staff over the duration of design (2hrs/month *36 months)
<b>3. Project Common and Project General Tasks Total</b>					<b>72</b>	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	0	0	0	
Drainage	EA	0	0	0	
Utilities	EA	0	0	0	
Environmental	EA	0	0	0	
Structures	EA	0	0	0	
Signing & Pavement Marking	EA	0	0	0	
Signalization	EA	0	0	0	
Lighting	EA	0	0	0	
Landscape Architecture	EA	0	0	0	
Survey	EA	0	0	0	
Photogrammetry	EA	0	0	0	
ROW & Mapping	EA	0	0	0	
Terrestrial Mobile LIDAR	EA	0	0	0	
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	EA	0	0	0	
Geotechnical	EA	0	0	0	
Progress Meetings	EA	0	0	0	
Phase Reviews	EA	0	0	0	
Field Reviews	EA	0	0	0	
<b>Total Project Manager Meetings</b>		0		0	Total PM Meeting Hours carries to Task 3.6 above



**Project Activity 3: General Tasks - ETM**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
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**Notes:**

1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
2. Do not double count agency meetings between permitting agencies.
3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.

**Project Activity 3: General Tasks - Matthews**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.1	Public Involvement					
3.1.1	Community Awareness Plan	LS	1	0	0	
3.1.2	Notifications	LS	1	4	4	Coordinating noticing requirements administration such as advertisement language, scheduling the ad, prepping mailouts and/or posting a sign depending on jurisdictional requirements (does not include cost to advertise or postage/materials for mailings which will be reimburseables)
3.1.3	Preparing Mailing Lists	LS	1	0	0	
3.1.4	Median Modification Letters	LS	1	0	0	
3.1.5	Driveway Modification Letters	LS	1	0	0	
3.1.6	Newsletters	LS	1	0	0	
3.1.7	Renderings and Fly Throughs	LS	1	0	0	
3.1.8	PowerPoint Presentation	LS	1	12	12	Developing Powerpoint presentation for a public meeting
3.1.9	Public Meeting Preparations	LS	1	12	12	Team coordination, meeting location, and preparation for one public meeting
3.1.10	Public Meeting Attendance/Followup	EA	1	18	18	Public Meeting Attendance, Comments and Follow-up on a Time & Materials basis expected at 18 hours
3.1.11	Other Agency Meetings	LS	1	0	0	
3.1.12	Web Site	LS	1	0	0	
<b>3.1 Public Involvement Subtotal</b>					<b>46</b>	
3.2	Joint Project Agreements	EA	0	0	0	
3.3	Specifications & Estimates					
3.3.1	Specifications Package Preparation	LS	1	0	0	
3.3.2	Estimated Quantities Report Preparation	LS	1	0	0	
3.4	Contract Maintenance and Project Documentation	LS	1	0	0	
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	0	0	See listing below

**Project Activity 3: General Tasks - Matthews**

<b>Task No.</b>	<b>Task</b>	<b>Units</b>	<b>No of Units</b>	<b>Hours/ Unit</b>	<b>Total Hours</b>	<b>Comments</b>
3.7	Plans Update	LS	1	0	0	

**Project Activity 3: General Tasks - Matthews**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	0	0	
3.9	Digital Delivery	LS	1	0	0	
3.10	Risk Assessment Workshop	LS	1	0	0	
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	
3.11.1	Aeronautical Evaluation	LS	1	0	0	
3.12	Landscape and Existing Vegetation Coordination	LS	1	0	0	
3.13	Other Project General Tasks	LS	1	0	0	
<b>3. Project Common and Project General Tasks Total</b>					<b>46</b>	

3.6 - List of Project Manager Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis	EA	0	0	0	
Drainage	EA	0	0	0	
Utilities	EA	0	0	0	
Environmental	EA	0	0	0	
Structures	EA	0	0	0	
Signing & Pavement Marking	EA	0	0	0	
Signalization	EA	0	0	0	
Lighting	EA	0	0	0	
Landscape Architecture	EA	0	0	0	
Survey	EA	0	0	0	
Photogrammetry	EA	0	0	0	
ROW & Mapping	EA	0	0	0	
Terrestrial Mobile LIDAR	EA	0	0	0	
Architecture	EA	0	0	0	
Noise Barriers	EA	0	0	0	
ITS Analysis	EA	0	0	0	
Geotechnical	EA	0	0	0	
Progress Meetings	EA	0	0	0	
Phase Reviews	EA	0	0	0	
Field Reviews	EA	0	0	0	
<b>Total Project Manager Meetings</b>		0		0	Total PM Meeting Hours carries to Task 3.6 above

**Project Activity 3: General Tasks - Matthews**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
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**Notes:**

1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
2. Do not double count agency meetings between permitting agencies.
3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D, except for Photogrammetry.



**Project Activity 4: Roadway Analysis**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	36	36	3 TS (Mainline, 2 side roads) 20hrs + 8hrsx2 = 36hrs
4.2	Pavement Type Selection Report	LS	1	0	0	N/A
4.3	Pavement Design Package	LS	1	60	60	4 pavement designs (mainline new construction, mainline M&R travel lanes, sidestreet travel lane, sidestreet paved shoulder); 36 hr for initial setup and one pavement design + 8 hr for each additional pavement design = 36 + 8*3 = 60 hr
4.4	Cross-Slope Correction	LS	1	8	8	Cross slope analysis only for existing C&G section
4.5	Horizontal /Vertical Master Design Files	LS	1	392	392	Use upper range (Urban multi-lane new construction) 330hrs + 2 intersections (16hrsx2) + 10 utilities x 3 submittals x 1 hr = 330+32+30 = 392 hr
4.6	Access Management	LS	1	0	0	N/A
4.7	Roundabout Final Design Analysis	LS	1	0	0	See Optional Services Tab
4.8	Cross Section Design Files	LS	1	216	216	110hrs/mi x 0.8mi = 96hrs x 2 for 50ft spacing = 176hrs, 20 hr per pond site = 20*2; Total = 216 hr
4.9	Temporary Traffic Control Plan Analysis	LS	1	40	40	Level I
4.10	Master TTCP Design Files	LS	1	0	0	Notes, typical section, details
4.11a	Selective Clearing and Grubbing of Existing VegetationField Assessment	LS	1	0	0	
4.11b	Selective Clearing and Grubbing Site Inventory of Existing Vegetation and Cross-Discipline Coordination (OPTIONAL SERVICES)	LS	1	0	0	
4.11c	Selective Clearing and Grubbing- Existing Vegetation Maintenance Report	LS	1	0	0	
4.12	Tree Disposition Plan	LS	1	0	0	
4.13	Design Variations and Exceptions	LS	1	0	0	N/A

**Project Activity 4: Roadway Analysis**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.14	Design Report	LS	1	56	56	Design criteria, Horizontal COGO, Vertical COGO, Superelevation calcs; 40 hr for first phase; 8 hr EA for phase 2 & 3 Total = 56 hr
4.15	Quantities for EQ Report	LS	1	146	146	Use upper range 120hr/1st 1500', 8hrs each additional 1500'; 120 + 8*2 = 146 hr
4.16	Cost Estimate	LS	1	100	100	30, 60, 90, 100 = 4 estimates*3 phases = 12 estimates: 12hr for initial + 8 hr EA update; 12 + 8*11 EA = 100 hr
4.17	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
4.18	Other Roadway Analyses	LS	1	613	613	Preliminary Concepts: 2 alignment alternatives + 2 intersection alts (80 hr) + roll plots (8 hr). 16 hr for establishing traffic forecast Specifications Package Preparation: 40 hr for each Phase = 120 hr Aid in development of bid docs: 40 hr for each phase = 120 hr Estimated Quantities Report Preparation: 32 hr for lead component + 2 hr for each add'l component = 32+8*2 = 48 hr Digital Delivery: 8 hr for initial setup + 3 hr per add'l EOR (8 total EOR's: roadway, drainage, structures, signing & signals, lighting, landscaping, ITS, geotech) 8 + 3*7 = 29 hr Interdisciplinary Constructibility Review: 16 hrs per submittal (4 submittals per phase X 3 phases = 192 hrs)
<b>Roadway Analysis Technical Subtotal</b>					<b>1667</b>	

**Project Activity 4: Roadway Analysis**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.19	Field Reviews	LS	1	64	64	2 people x 4 visits x 8hrs = 64hrs
4.20	Monitor Existing Structures	LS	1	0	0	
4.21	Technical Meetings	LS	1	84	84	Meetings are listed below
4.22	Quality Assurance/Quality Control	LS	%	7%	117	
4.23	Independent Peer Review	LS	%	0%	0	
4.24	Supervision	LS	%	5%	83	
<b>Roadway Analysis Nontechnical Subtotal</b>					<b>348</b>	
4.25	Coordination	LS	%	3%	60	
<b>4. Roadway Analysis Total</b>					<b>2075</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number	
Typical Section	EA	1	5	5	Typical Section review includes pavement design	yes	1	
Pavement	EA	0	0	0			0	
Access Management	EA	0	0	0			0	
15% Line and Grade	EA	1	10	10	Concept development meeting (2 people at 5 hrs)	yes	1	
Driveways	EA	0	0	0			0	
Local Governments (cities, counties, MPO)	EA	0	0	0			0	
Work Zone Traffic Control	EA	0	0	0			0	
30/60/90/100% Comment Review Meetings	EA	6	5	30	3 Phases with 2 review meetings/phase (initial/final)	yes	6	
Other Meetings	EA	2	3	6	2 additional meetings per phase * 3 phases	yes	2	
<b>Subtotal Technical Meetings</b>				<b>51</b>			<b>Subtotal Project Manager Meetings</b>	<b>10</b>
Progress Meetings (if required by FDOT)	EA	6	3	18	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>		--	
Phase Review Meetings	EA	3	5	15	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>		--	
<b>Total Meetings</b>				<b>84</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>10</b>	

Carries to 4.21

Carries to Tab 3

**Project Activity 4: Roadway Analysis (Optional Services)**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	0	0	
4.2	Pavement Type Selection Report	LS	1	0	0	
4.3	Pavement Design Package	LS	1	0	0	
4.4	Cross-Slope Correction	LS	1	0	0	
4.5	Horizontal /Vertical Master Design Files	LS	1	0	0	
4.6	Access Management	LS	1	0	0	
4.7	Roundabout Final Design Analysis	LS	1	90	90	60 hr for final design layout; 30 hr for Operational Analysis
4.8	Cross Section Design Files	LS	1	0	0	
4.9	Temporary Traffic Control Plan Analysis	LS	1	0	0	
4.10	Master TTCP Design Files	LS	1	0	0	
4.11a	Selective Clearing and Grubbing of Existing VegetationField Assessment	LS	1	0	0	
4.11b	Selective Clearing and Grubbing Site Inventory of Existing Vegetation and Cross-Discipline Coordination (OPTIONAL SERVICES)	LS	1	0	0	
4.11c	Selective Clearing and Grubbing- Existing Vegetation Maintenance Report	LS	1	0	0	
4.12	Tree Dispostion Plan	LS	1	0	0	
4.13	Design Variations and Exceptions	LS	1	0	0	

**Project Activity 4: Roadway Analysis (Optional Services)**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.14	Design Report	LS	1	0	0	
4.15	Quantities for EQ Report	LS	1	0	0	
4.16	Cost Estimate	LS	1	0	0	
4.17	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
4.18	Other Roadway Analyses	LS	1	0	0	
<b>Roadway Analysis Technical Subtotal</b>					<b>90</b>	



**Project Activity 4: Roadway Analysis (Optional Services)**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.19	Field Reviews	LS	1	0	0	
4.20	Monitor Existing Structures	LS	1	0	0	
4.21	Technical Meetings	LS	1	0	0	Meetings are listed below
4.22	Quality Assurance/Quality Control	LS	%	7%	6	
4.23	Independent Peer Review	LS	%	0%	0	
4.24	Supervision	LS	%	5%	5	
<b>Roadway Analysis Nontechnical Subtotal</b>					<b>11</b>	
4.25	Coordination	LS	%	2%	2	
<b>4. Roadway Analysis Total</b>					<b>103</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	0			0
Pavement	EA	0	0	0			0
Access Management	EA	0	0	0			0
15% Line and Grade	EA	0	0	0			0
Driveways	EA	0	0	0			0
Local Governments (cities, counties, MPO)	EA	0	0	0			0
Work Zone Traffic Control	EA	0	0	0			0
30/60/90/100% Comment Review Meetings	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
<b>Subtotal Technical Meetings</b>				<b>0</b>		<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>		--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>		--
<b>Total Meetings</b>				<b>0</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>0</b>

Carries to 4.21

Carries to Tab 3

**Project Activity 5: Roadway Plans**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing		Print Name	Signature / Date
FDOT District			
Consultant Name			

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.1	Key Sheet		Sheet	1	16	16	8 hr for first Phase; 4 hr EA for Phase 2 &3; Total = 16 hr
5.2	Typical Section Sheets						
5.2.1	Typical Sections		EA	1	37	37	5 typicals (1 mainline [x3 for each phase], 2 sidestreet); 9 hr EA for first mainline and 2 sidesreets; 5 for extra two mainline; 9*3 + 5*2 = 37 hr
5.2.2	Typical Section Details		EA	5	9	45	5 details: Guardrail detail, M&R details (2), stamped concrete median nose, misc. detail (1); 9 hr EA
5.3	General Notes/Pay Item Notes		Sheet	1	10	10	Includes splitting into 3 phases
5.4	Project Layout		Sheet	1	0	0	
5.5	Plan/Profile Sheet		Sheet	0	0	0	
5.6	Profile Sheet	50	Sheet	7	4	28	4300ft @ 50 scale = 670'/sheet
5.7	Plan Sheet	50	Sheet	7	4	28	
5.8	Special Profile		Sheet	0	0	0	
5.9	Back-of-Sidewalk Profile Sheet		Sheet	7	10	70	
5.10	Interchange Layout Sheet		Sheet	0	0	0	
5.11	Ramp Terminal Details (Plan View)		Sheet	0	0	0	
5.12	Intersection Layout Details		Sheet	2	16	32	2 intersections
5.13	Special Details		EA	0	0	0	
5.14	Cross-Section Pattern Sheets		Sheet	3	4	12	4 hr for each phase = 12 hr total
5.15	Roadway Soil Survey Sheets		Sheet	3	1	3	1 hr for each phase = 3 hr total
5.16	Cross Sections		EA	102	0.375	38	4300ft @ 50ft spacing = 86 sections x 0.375hrs + 2 pond (16 sections)

**Project Activity 5: Roadway Plans**

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.17	Temporary Traffic Control Plan Sheets		Sheet	0	0	0	
5.18	Temporary Traffic Control Cross Section Sheets		EA	0	0	0	
5.19	Temporary Traffic Control Detail Sheets		Sheet	3	12	36	Notes, typical section, details
5.20	Utility Adjustment Sheets		Sheet	7	3	21	
5.21	Selective Clearing and Grubbing Sheets						
5.21.1	Selective Clearing and Grubbing		Sheet	0	0	0	
5.21.2	Selective Clearing and Grubbing Details		Sheet	0	0	0	
5.22	Tree Disposition Sheets						
5.22.1	Tree Disposition Plan Sheets		Sheet	0	0	0	
5.22.2	Tree Disposition Plan Tables and Schedules		Sheet	0	0	0	
5.23	Project Control Sheets		Sheet	3	1	3	1 hr for each phase = 3 hr total
5.24	Environmental Detail Sheets		Sheet	0	0	0	
5.25	Utility Verification Sheets (SUE Data)		Sheet	3	4	12	4 hr for each phase = 12 hr total
<b>Roadway Plans Technical Subtotal</b>						<b>391</b>	
5.26	Quality Assurance/Quality Control		LS	%	7%	27	
5.27	Supervision		LS	%	5%	20	
<b>5. Roadway Plans Total</b>						<b>438</b>	

**Project Activity 6a: Drainage Analysis - DRMP**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	1	16	16	
6a.2	Base Clearance Calculations	Per Location	3	4	12	1 location west of FEC railroad, 2 locations east of RR
6a.3	Pond Siting Analysis and Report	Per Basin	2	30	60	Preliminary identification of pond sites and coordination with Pond/Humphries on joint-use with PW facility
6a.4	Design of Cross Drains	EA	3	8	24	1 west and 2 east of RR
6a.5	Design of Ditches	Per Ditch Mile	1.6	15	24	Offsite ditch on north and south side of proposed roadway with 4 sidedrains (0.8 miles * 2)
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	4	35	140	Proposed stormwater pond west of Railroad (50), Design of Public Works Joint Use Pond (50), Modification of Sawmill Pond (20) and modification of existing roadway pond (20).
6a.7	Design of Stormwater Management Facility (Roadside Treatment Swales and Linear Ponds)	Per Cell	0	0	0	N/A
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	1	16	16	Design coordination with Humphries. See Humphries tab 6a (OS) for additional analysis
6a.9	Design of Storm Drains	EA	65	2.5	163	1 structure per 75 ft (4300/75=57) and 8 additional at intersections
6a.10	Optional Culvert Material	EA	65	0.2	13	
6a.11	French Drain Systems	Per Cell	0	0	0	N/A
6a.11.1	Existing French Drain Systems	Per Cell	0	0	0	N/A
6a.12	Drainage Wells	EA	0	0	0	N/A
6a.13	Drainage Design Documentation Report	LS	1	80	80	
6a.14	Bridge Hydraulic Report	EA	0	0	0	N/A

**Project Activity 6a: Drainage Analysis - DRMP**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.15	Temporary Drainage Analysis	LS	1	16	16	Along existing roadway
6a.16	Quantities for EQ Report	Drainage Structures	65	Calculated Hours	17	Based on EQ Calculator
		Phase 2 Submittal	Yes	17		
6a.17	Cost Estimate	LS	1	18	18	2 estimates (Initial/Final) each phase*3 Phases (6 estimates @ 3 hrs each)
6a.18	Technical Special Provisions / Modified Special Provisions	LS	1	0	0	N/A
6a.19	Hydroplaning Analysis	LS	1	0	0	N/A
6a.20	Existing Permit Analysis	LS	1	16	16	Existing Roadway. SawMill Development, Public Works
6a.21	Other Drainage Analysis	LS	1	48	48	FEC railroad drainage coordination; 40 hr for drainage horizontal/vertical design from tab 4.5 Horizontal /Vertical Master Design Files
6a.22	Noise Barrier Evaluation	LS	1	0	0	
6a.23	Erosion Control Plan	Per Mile	0.8	6	5	Based on urban section typical section to match existing roadway
<b>Drainage Analysis Technical Subtotal</b>					<b>668</b>	
6a.24	Field Reviews	LS	1	36	36	1 review each phase (3), 2 people per review at 6 hrs each (12hrs/review)
6a.25	Technical Meetings	LS	1	53	53	Meetings are listed below
6a.26	Environmental Look-Around (ELA) Meeting	LS	1	0	0	N/A
6a.27	Quality Assurance/Quality Control	LS	%	7%	47	
6a.28	Independent Peer Review	LS	%	0%	0	
6a.29	Supervision	LS	%	5%	33	
<b>Drainage Analysis Nontechnical Subtotal</b>					<b>169</b>	
6a.30	Coordination	LS	%	2%	17	
<b>6a. Drainage Analysis Total</b>					<b>854</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Base Clearance Water Elevation	EA	0	0	0	N/A		0
Pond Siting	EA	1	5	5		yes	1
Agency	EA	2	0	0	SJRWMD	yes	2
Local Governments (cities, counties)	EA	6	5	30	2 meetings per phase with City		0
FDOT Drainage	EA	3	5	15	1 meeting per phase	yes	3
Other Meetings	EA	1	3	3	FEC railroad		0
<b>Subtotal Technical Meetings</b>				<b>53</b>			<b>6</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
<b>Total Meetings</b>				<b>53</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>6</b>

Carries to 6a.25

Carries to Tab 3



**Project Activity 6a: Drainage Analysis - Humphries**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	0	0	0	
6a.2	Base Clearance Calculations	Per Location	0	0	0	
6a.3	Pond Siting Analysis and Report	Per Basin	0	0	0	
6a.4	Design of Cross Drains	EA	0	0	0	
6a.5	Design of Ditches	Per Ditch Mile	0	0	0	
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	0	0	0	
6a.7	Design of Stormwater Management Facility (Roadside Treatment Swales and Linear Ponds)	Per Cell	0	0	0	
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	1	40	40	Floodplain impact analysis coordination as required by the Prime consultant. Based on previous modeling efforts.
6a.9	Design of Storm Drains	EA	0	0	0	
6a.10	Optional Culvert Material	EA	0	0	0	
6a.11	French Drain Systems	Per Cell	0	0	0	
6a.11.1	Existing French Drain Systems	Per Cell	0	0	0	
6a.12	Drainage Wells	EA	0	0	0	
6a.13	Drainage Design Documentation Report	LS	1	0	0	
6a.14	Bridge Hydraulic Report	EA	0	0	0	

**Project Activity 6a: Drainage Analysis - Humphries**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.15	Temporary Drainage Analysis	LS	1	0	0	
6a.16	Quantities for EQ Report	Drainage Structures	0	Calculated Hours	0	
		Phase 2 Submittal	No	0		
6a.17	Cost Estimate	LS	1	0	0	
6a.18	Technical Special Provisions / Modified Special Provisions	LS	1	0	0	
6a.19	Hydroplaning Analysis	LS	1	0	0	
6a.20	Existing Permit Analysis	LS	1	0	0	
6a.21	Other Drainage Analysis	LS	1	0	0	
6a.22	Noise Barrier Evaluation	LS	1	0	0	
6a.23	Erosion Control Plan	Per Mile	0	0	0	
<b>Drainage Analysis Technical Subtotal</b>					<b>40</b>	
6a.24	Field Reviews	LS	1	0	0	
6a.25	Technical Meetings	LS	1	0	0	Meetings are listed below
6a.26	Environmental Look-Around (ELA) Meeting	LS	1	0	0	N/A
6a.27	Quality Assurance/Quality Control	LS	%	7%	3	
6a.28	Independent Peer Review	LS	%	0%	0	
6a.29	Supervision	LS	%	5%	2	
<b>Drainage Analysis Nontechnical Subtotal</b>					<b>5</b>	
6a.30	Coordination	LS	%	2%	1	
<b>6a. Drainage Analysis Total</b>					<b>46</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Base Clearance Water Elevation	EA	0	0	0			0
Pond Siting	EA	0	0	0			0
Agency	EA	0	0	0			0
Local Governments (cities, counties)	EA	0	0	0			0
FDOT Drainage	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
<b>Subtotal Technical Meetings</b>				<b>0</b>			<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
<b>Total Meetings</b>				<b>0</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>0</b>

Carries to 6a.25

Carries to Tab 3

**6b. Drainage Plans-DRMP**

Estimator: <b>6b. Drainage Plans Staff Hours</b> <span style="float: right;">W Matanzas Woods Parkway Extension TBD</span>									
Representing		Print Name						Signature / Date	
FDOT District									
Consultant Name									
<i>NOTE: Signature Block is optional, per District preference</i>									
Task No.	Task	Project Parameter			Staff Hours				Documentation
		Description	Units	Complexity	Calculated	Department	Consultant	Negotiated	Provide documentation when negotiated hours differ from the calculated hours.
6b.1	Drainage Map (Including Interchanges)	Length (Miles)	1.00	Mid Range	24	0	0	0	1"=400' scale (4300 ft / 5600 ft = 1 sheet)
6b.2	Bridge Hydraulics Recommendation Sheets	Bridges	0		0	0	0	0	N/A
6b.3	Drainage Structures	Drainage Structures	217		238	0	0	0	60 structures * 2.5 hours per drainage structure sheet = 150 hours 3 Summary of Drainage Structures * 12 hours = 36 hours ((65+8+4) / 32 per sheet = 3 sheets) 4 Outfall Pipe Sheet * 6 hours = 6 hours 2 outfall structure details, 1 bridge drainage detail (12 hrs each)
		Details	3						
6b.4	Lateral Ditches	Ditches	0	Standard	0	0	0	0	
			0	Complex					
		Cross Section Alignments	0						
6b.5	Retention/Detention/Floodplain Compensation Ponds	Ponds	2	Standard	120	0	0	0	1 modification of Sawmill pond, 1 floodplain comp area Complex due to accomodating offsite (COPC HUB and COPC Public Works Facility) 4 alignments
			2	Complex					
		Cross Section Alignments	4						
6b.6	Erosion Control Plan	Length (Miles)	7.00	Upper Range	14	0	0	0	2 hours per roadway plan sheets(7 sheets) = 14 hours (length modified to match)
6b.7	SWPPP		Yes	Complex	10	0	0	0	
<b>Drainage Plans Technical Subtotal</b>					<b>406</b>	<b>0</b>	<b>0</b>	<b>0</b>	
6b.8	Quality Assurance/Quality Control	%	7%		29	0	0	0	
6b.9	Supervision	%	5%		21	0	0	0	
<b>6. Drainage Plans Total</b>					<b>456</b>	<b>0</b>	<b>0</b>	<b>0</b>	

**Project Activity 7: Utilities - DRMP**

Estimator:

W Matanzas Woods Parkway Extension  
TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.1	Utility Kickoff Meeting	LS	1	2	2	1 mtg X (1) attendee X (0) travel time to project site + (2) duration = 2 Hours (Includes set up time)
7.2	Identify Existing Utility Agency Owner(s)	LS	1	2	2	1 Hour 1. AT&T Distribution 2. CenturyLink (Lumen) 3. City of Palm Coast - Fiber 4. City of Palm Coast Utilities Water/Sewer 5. FPL Distribution 6. FPL Transmission 7. Resurgence Infrastructure 8. Sprint 9. TECO Peoples Gas 10. Verizon (MCI)
7.3	Make Utility Contacts	LS	1	10	10	(1) Hours per UAO X (10) UAO = 10 Hours
7.4	Exception Processing	LS	1	0	0	N/A: The district utility office (DUO) handles this task
7.5	Preliminary Utility Meeting	LS	1	0	0	Meeting is listed below
7.6	Individual/Field Meetings	LS	1	10	10	(1) Pre-Mtg Prep + (2) Travel Time + (1) Meeting Duration + (1) Prep. of Minutes =5 Hours X (2) Meetings = 10 Hours
7.7	Collect and Review Plans and Data from UAO(s)	LS	1	30	30	(2) Hour per utility x (10) UAO = 20 Hours Additional time for phased construction effort/multiple contacts. (10 hours)
7.8	Subordination of Easements Coordination	LS	1	0	0	N/A: The district utility office (DUO) handles this task
7.9	Utility Design Meeting	LS	1	3	3	(1) Pre-Mtg Prep + (0) Travel Time + (1) Meeting Duration + (1) Preparation of Minutes = 3 Hours  This meeting will be held after Approved plans are submitted to UAO's (typically 4 weeks)

**Project Activity 7: Utilities - DRMP**

7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	1	30	30	(2) hours X (10) # of utility documents = 20 Hours **The utility coordinator is responsible for providing documented QA/QC to be submitted with each utility deliverable. This is to consist of written review comments with resolution. Additional time for phased construction effort/multiple contacts. (10 hours)
7.11	Utility Coordination/Followup	LS	1	30	30	(3) hours per utility (range is 2-24 per utility) X (10) utilities = 30 Hours
7.12	Utility Constructability Review	LS	1	30	30	(3) hours (range is 2-8 per utility) X (10) # of utilities = 30 Hours **Once all utility work schedules are received, a scheduling tool that shows the relationship of the utility work schedules to each other & to the construction schedule shall be provided to both the DUO & appropriate construction office CUC. Example to be provided by Department.
7.13	Additional Utility Services	LS	1	0	0	N/A: If Project Suite is to be utilized, 20 hours are to be added for implementation.
7.14	Processing Utility Work by Highway Contractor (UWHC)	LS	1	0	0	N/A: If a UAO request a UWHC, a supplemental will be prepared for additional hours
7.15	Contract Plans to UAO(s)	LS	1	0	0	N/A: The district utility office (DUO) handles this task
7.16	Certification/Close-Out	LS	1	8	8	3 Phases
7.17	Other Utilities	LS	1	0	0	N/A
<b>7. Utilities Total</b>					<b>155</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff (see 7.1)	EA	1	2	2		yes	1
Preliminary Meeting (see 7.5)	EA	0	0	0			0
Individual UAO Meetings (see 7.6)	EA	1	5	5		yes	1
Field Meetings (see 7.6)	EA	1	5	5			0
Design Meeting (see 7.9)	EA	0	0	0			0
Other Meetings (this is automatically added into Utilities Total (cell F27))	EA	0	0	0			0
<b>Total Meetings</b>				<b>12</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>2</b>

Carries to Tab 3



**Project Activity 7: Utilities - ETM**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.1	Utility Kickoff Meeting	LS	1	0	0	Meeting is listed below
7.2	Identify Existing Utility Agency Owner(s)	LS	1	0	0	
7.3	Make Utility Contacts	LS	1	0	0	
7.4	Exception Processing	LS	1	0	0	
7.5	Preliminary Utility Meeting	LS	1	0	0	Meeting is listed below
7.6	Individual/Field Meetings	LS	1	0	0	Meetings are listed below
7.7	Collect and Review Plans and Data from UAO(s)	LS	1	0	0	
7.8	Subordination of Easements Coordination	LS	1	0	0	
7.9	Utility Design Meeting	LS	1	0	0	Meeting is listed below
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	1	0	0	
7.11	Utility Coordination/Followup	LS	1	0	0	
7.12	Utility Constructability Review	LS	1	0	0	
7.13	Additional Utility Services	LS	1	0	0	
7.14	Processing Utility Work by Highway Contractor (UWHC)	LS	1	0	0	
7.15	Contract Plans to UAO(s)	LS	1	0	0	
7.16	Certification/Close-Out	LS	1	0	0	

**Project Activity 7: Utilities - ETM**

7.17	Other Utilities	LS	1	240	240	Potable water main, sanitary sewer force main, reclaimed water main design and FDEP permitting. Includes coordination with COPC Utility Department and Landowner for pipe sizes. Pipe size determination ultimately to be made by COPC. Assumes that utilities will be attached to the bridge over the railroad. Bridge attachment design for utilities to be designed by DRMP. Exist. utility designation and surveying to be provided by DRMP.
<b>7. Utilities Total</b>					<b>240</b>	

**Project Activity 7: Utilities - ETM**

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff (see 7.1)	EA	0	0	0			0
Preliminary Meeting (see 7.5)	EA	0	0	0			0
Individual UAO Meetings (see 7.6)	EA	0	0	0			0
Field Meetings (see 7.6)	EA	0	0	0			0
Design Meeting (see 7.9)	EA	0	0	0			0
Other Meetings ( <i>this is automatically added into Utilities Total (cell F27)</i> )	EA	0	0	0			0
<b>Total Meetings</b>				<b>0</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>0</b>

Carries to Tab 3

Project Activity 8: Environmental Permits

Estimator:

W Matanzas Woods Parkway Extension

TSD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
<b>Environmental Permits and Environmental Clearances</b>						
8.1	Preliminary Project Research	LS	1	16	16	Preliminary project review, including review of existing permit within project corridor and 2 adjacent permits. Data gathering from relevant sources including the County agencies, WMD, USFWS, FWC.
<b>Permits</b>						
8.2	<b>Field Work</b>					
8.2.1	Pond Site Alternatives	per pond site	2	10	20	Field evaluation of two (2) pond sites and coordination with engineering staff. Field review to determine the best possible decision matrix to minimize and reduce resource impacts and achieve pond design criteria.
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	40	40	Flag/stake and collect by GPS the extent and configuration of the wetlands within the project corridor. Set seasonal high water levels, when possible. Complete agency documentation in support of permitting (UMAM & FSEP Wetland Data Forms). Coordinate with surveyors for collection of wetland boundary.
8.2.3	Species Surveys	LS	1	20	20	General wildlife survey to confirm presence/absence of listed species within the project area. 100% gather tortoise within ROW
8.3	Agency Verification of Wetland Data	LS	1	16	16	Two fact meeting (1 with WMD and 1 with FDEP) to approve wetland boundaries and UMAM analysis
<b>8.4 Complete And Submit All Required Permit Applications</b>						
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	320	320	Due to schedule constraints, complete three (3) phased Joint EPR/State 404 applications, Environmental Assessment Reports, responses to any RFA's, and review of final permit conditions. Phase 1 Environmental Assessment Report will include conceptual wetland impacts for remaining two phases. Phase 1 = 120 hours; Phases 2 & 3 = 100 hours
8.4.2	Complete and Submit All Required Species Permit Applications	LS	1	60	60	Coordination and permitting with USFWS and FWC, as necessary. Prepare and submit FWC Gopher tortoise relocation permit, as necessary.
8.5	Coordinate and Review Dredge and Fill Sketches	LS	1	24	24	Prepare and complete dredge and fill sketches per regulatory review criteria.
<b>8.5 Complete and Submit Documentation for Coordination and/or USCG Permit Application</b>						
8.5.1	Prepare and submit required documents for USCG coordination	LS	1	0	0	N/A
8.5.2	Complete and submit USCG Bridge Application	LS	1	0	0	N/A
8.7	Prepare Water Management District or Local Water Control District Right of Way Occupancy Permit Application	LS	1	0	0	N/A
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	N/A
8.9	Prepare USACE Section 408 Application to Alter a Civil Works Project	LS	1	0	0	N/A
8.10	Compensatory Mitigation Plan	LS	1	25	25	Prepare and submit mitigation plan for wetland impacts
8.11	Mitigation Coordination and Meetings	LS	1	0	0	Per the City coordination this effort is being completed by others. See optional services for additional coordination.
8.12	Regulatory Agency Support	LS	1	0	0	
<b>Environmental Clearances/Reevaluations</b>						
8.13 Technical Support to Department for Environmental Clearances and Reevaluations (use when consultant provides technical support only)						
8.13.1	NEPA or SEIR Reevaluation	LS	1	0	0	N/A
8.13.2	Archaeological and Historical Resources	LS	1	0	0	N/A
8.13.3	Wetland Impact Analysis	LS	1	0	0	N/A
8.13.4	Essential Fish Habitat Impact Analysis	LS	1	0	0	N/A
8.13.5	Protected Species and Habitat Impact Analysis	LS	1	0	0	N/A
<b>8.14 Preparation of Environmental Clearances and Reevaluations (use when consultant prepares all documents associated with reevaluation)</b>						
8.14.1	NEPA or SEIR Reevaluation	LS	1	0	0	N/A
8.14.2	Archaeological and Historical Resources	LS	1	0	0	N/A
8.14.3	Wetland Impact Analysis	LS	1	0	0	N/A
8.14.4	Essential Fish Habitat Impact Analysis	LS	1	0	0	N/A
8.14.5	Protected Species and Habitat Impact Analysis	LS	1	0	0	N/A
8.15	Other Environmental Permits	LS	1	0	0	N/A
8.16	Contamination Impact Analysis	LS	1	0	0	N/A
8.17	Asbestos Survey	LS	1	0	0	N/A
<b>Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal 641</b>						
8.18	Technical Meetings	LS	1	40	40	Meetings are listed below
8.19	Quality Assurance/Quality Control	LS	%	7%	38	
8.20	Supervision	LS	%	0%	27	
<b>Environmental Permits and Environmental Clearances Nontechnical Subtotal 105</b>						
8.21	Coordination	LS	%	3%	19	
<b>8. Environmental Permits and Environmental Clearances Total 665</b>						

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
WMD	EA	1	8	8	Pre-application meeting	yes	1
USACE	EA	0	0	0			0
USACE	EA	1	8	8	Pre-application meeting	yes	1
USCG	EA	0	0	0			0
USFWS	EA	0	0	0			0
FDEP	EA	1	8	8	Site visit		0
FDOT	EA	2	8	16	Permitting and Coordination assessment release	yes	2
Other Meetings	EA	0	0	0			0
<b>Subtotal Technical Meetings</b>				<b>40</b>			<b>4</b>
Progress Meetings (if defined by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
<b>Total Meetings</b>				<b>40</b>			<b>4</b>

Continued to Tab 3

Continued to Tab 3

Project Activity 8: Environmental Permits

Estimator:

W Matanzas Woods Parkway Extension

TSD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
<b>Environmental Permits and Environmental Clearances</b>						
8.1	Preliminary Project Research	LS	1	0	0	Included in base contract
<b>Permits</b>						
<b>8.2 Field Work</b>						
8.2.1	Pond Site Alternatives	per pond site	2	0	0	Included in base contract
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	0	0	Included in base contract
8.2.3	Species Surveys	LS	1	0	0	Included in base contract
8.3	Agency Verification of Wetland Data	LS	1	0	0	Included in base contract
<b>8.4 Complete And Submit All Required Permit Applications</b>						
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	0	0	Included in base contract
8.4.2	Complete and Submit All Required Species Permit Applications	LS	1	0	0	Included in base contract
8.5	Coordinate and Review Dredge and Fill Sketches	LS	1	0	0	Included in base contract
<b>8.5 Complete and Submit Documentation for Coordination and/or USCG Permit Application</b>						
8.6.1	Prepare and submit required documents for USCG coordination	LS	1	0	0	NA
8.6.2	Complete and submit USCG Bridge Application	LS	1	0	0	NA
8.7	Prepare Water Management District or Local Water Control District Right of Way Occupancy Permit Application	LS	1	0	0	NA
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	NA
8.9	Prepare USACE Section 408 Application to Alter a Civil Works Project	LS	1	0	0	NA
8.10	Compensatory Mitigation Plan	LS	1	0	0	
8.11	Mitigation Coordination and Meetings	LS	1	60	60	Coordination with PondCarter to support release of CE.
8.12	Regulatory Agency Support	LS	1	0	0	
<b>Environmental Clearances/Reevaluations</b>						
8.13 Technical Support to Department for Environmental Clearances and Reevaluations (use when consultant provides technical support only)						
8.13.1	NEPA or SEIR Reevaluation	LS	1	0	0	NA
8.13.2	Archaeological and Historical Resources	LS	1	0	0	NA
8.13.3	Wetland Impact Analysis	LS	1	0	0	NA
8.13.4	Essential Fish Habitat Impact Analysis	LS	1	0	0	NA
8.13.5	Protected Species and Habitat Impact Analysis	LS	1	0	0	NA
<b>8.14 Preparation of Environmental Clearances and Reevaluations (use when consultant prepares all documents associated with reevaluation)</b>						
8.14.1	NEPA or SEIR Reevaluation	LS	1	0	0	NA
8.14.2	Archaeological and Historical Resources	LS	1	0	0	NA
8.14.3	Wetland Impact Analysis	LS	1	0	0	NA
8.14.4	Essential Fish Habitat Impact Analysis	LS	1	0	0	NA
8.14.5	Protected Species and Habitat Impact Analysis	LS	1	0	0	NA
8.15	Other Environmental Permits	LS	1	0	0	NA
8.16	Contamination Impact Analysis	LS	1	0	0	NA
8.17	Asbestos Survey	LS	1	0	0	NA
<b>Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal</b>						
8.18	Technical Meetings	LS	1	0	0	Meetings are listed below
8.19	Quality Assurance/Quality Control	LS	%	0%	0	
8.20	Supervision	LS	%	0%	3	
<b>Environmental Permits and Environmental Clearances Nontechnical Subtotal</b>						
8.21	Coordination	LS	%	0%	0	
<b>8. Environmental Permits and Environmental Clearances Total</b>						
					<b>63</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
WMD	EA	1	0	0			0
USACE	EA	0	0	0			0
USACE	EA	1	0	0			0
USCG	EA	0	0	0			0
USFWS	EA	0	0	0			0
FWDC	EA	1	0	0			0
FDOT	EA	2	0	0			0
Other Meetings	EA	0	0	0			0
<b>Subtotal Technical Meetings</b>				<b>0</b>		<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if advised by FDOT)				0		PM attendance at Progress Meetings is manually entered on General Task 3	--
Phase Review Meetings				0		PM attendance at Phase Review Meetings is manually entered on General Task 3	--
<b>Total Meetings</b>				<b>0</b>		<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Continued to Tab 10

Continued to Tab 3



**Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	Design and Production Staffhours				Comments
			No. of Units	Hours per Unit	No. of Sheets	Total	
<b>General Drawings</b>							
9.1	Key Sheet and Index of Drawings	Sheet	1	4	1	4	
9.2	Project Layout	Sheet	0	0	0	0	
9.3	General Notes and Bid Item Notes	Sheet	2	16	2	32	
9.4	Miscellaneous Common Details	Sheet	0	0	0	0	
9.5	Incorporate Report of Core Borings	Sheet	3	1	3	3	1 sheet for walls at begin bridge, 1 sheet for bridge, and 1 sheet for walls at end bridge
9.6	Standard Plans- Bridges	LS	1	1		1	
9.7	Existing Bridge Plans	LS	1	0		0	
9.8	Quantities for EQ Report	LS	1	16		16	
9.9	Cost Estimate	LS	1	8		8	
9.10	Technical Special Provisions and Modified Special Provisions	LS	1	8		8	Inclusion of Special Provisions for FEC RR
<b>Structures - Summary and Miscellaneous Tasks and Drawings</b>					6	72	

Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
10-16	Bridge 1	934	0	0	0	934	0	0	0		
10-16	Bridge 2	0									
10-16	Bridge 3	0									
10-16	Bridge 4	0									
10-16	Bridge 5	0									

**Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings**

10-16	Bridge 6	0									
10-16	Bridge 7	0									
10-16	Bridge 8	0									
10-16	Bridge 9	0									
10-16	Bridge 10	0									
17	Retaining Walls	200								200	
18	Miscellaneous Structures	0									
<b>Structures Technical Subtotal</b>		1134	0	0	0	934	0	0	0	200	0
<b>Task No.</b>	<b>Task</b>	<b>Units</b>	<b>No. of Units</b>	<b>Hours per Unit</b>	<b>Total</b>	<b>Comments</b>					
9.11	Field Reviews	LS	2	8	16						
9.12	Technical Meetings	LS	1	40	40	Meetings are listed below					
9.13	Quality Assurance/Quality Control	LS	%	5%	60						
9.14	Independent Peer Review	LS	1	0	0						
9.15	Supervision	LS	%	5%	60						
<b>Structures Nontechnical Subtotal</b>					176						
9.16	Coordination	LS	1	72	72	Roadway @16 hrs, Utilities @ 8 hrs, Geotech @ 8 hrs, FEC Railway @ 40 hours					
<b>9. Structures - Summary and Miscellaneous Tasks and Drawings</b>					<b>320</b>						

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	0	0	0			0
90/100% Comment Review	EA	2	4	8			0
Aesthetics Coordination	EA	0	0	0			0
Regulatory Agency	EA	0	0	0			0
Local Governments (cities, counties)	EA	0	0	0			0
Utility Companies	EA	2	4	8			0
Other Meetings	EA	0	0	0			0
<b>Subtotal Technical Meetings</b>				<b>16</b>			<b>0</b>

**Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings**

Progress Meetings (if required by FDOT)	EA	3	8	24	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>40</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 9.12

Carries to Tab 3

**Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings  
(OPTIONAL SERVICES)**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	Design and Production Staffhours				Comments
			No. of Units	Hours per Unit	No. of Sheets	Total	
<b>General Drawings</b>							
9.1	Key Sheet and Index of Drawings	Sheet	0	0	0	0	
9.2	Project Layout	Sheet	0	0	0	0	
9.3	General Notes and Bid Item Notes	Sheet	0	0	0	0	
9.4	Miscellaneous Common Details	Sheet	0	0	0	0	
9.5	Incorporate Report of Core Borings	Sheet	0	0	0	0	
9.6	Standard Plans- Bridges	LS	1	0		0	
9.7	Existing Bridge Plans	LS	1	0		0	
9.8	Quantities for EQ Report	LS	1	0		0	
9.9	Cost Estimate	LS	1	0		0	
9.10	Technical Special Provisions and Modified Special Provisions	LS	1	0		0	
<b>Structures - Summary and Miscellaneous Tasks and Drawings</b>					0	0	

Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
10-16	Bridge 1	68	0	0	0	68	0	0	0		
10-16	Bridge 2	0									
10-16	Bridge 3	0									
10-16	Bridge 4	0									
10-16	Bridge 5	0									

**Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings  
(OPTIONAL SERVICES)**

10-16	Bridge 6	0									
10-16	Bridge 7	0									
10-16	Bridge 8	0									
10-16	Bridge 9	0									
10-16	Bridge 10	0									
17	Retaining Walls	0								0	
18	Miscellaneous Structures	112									112
<b>Structures Technical Subtotal</b>		180	0	0	0	68	0	0	0	0	112
Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments					
9.11	Field Reviews	LS	1	8	8						
9.12	Technical Meetings	LS	1	0	0	Meetings are listed below					
9.13	Quality Assurance/Quality Control	LS	%	5%	9						
9.14	Independent Peer Review	LS	1	0	0						
9.15	Supervision	LS	%	5%	9						
<b>Structures Nontechnical Subtotal</b>					26						
9.16	Coordination	LS	1	6	6	Roadway @2 hrs, Utilities @ 2 hrs, Geotech @ 2 hrs					
<b>9. Structures - Summary and Miscellaneous Tasks and Drawings</b>					32						

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	0	0	0			0
90/100% Comment Review	EA	0	0	0			0
Aesthetics Coordination	EA	0	0	0			0
Regulatory Agency	EA	0	0	0			0
Local Governments (cities, counties)	EA	0	0	0			0
Utility Companies	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
<b>Subtotal Technical Meetings</b>				<b>0</b>			<b>0</b>

**Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings**

**(OPTIONAL SERVICES)**

Progress Meetings (if required by FDOT)	EA	0	0	0	<i>PM attendance at Progress Meetings is manually entered on General Task 3</i>	--
Phase Review Meetings	EA	0	0	0	<i>PM attendance at Phase Review Meetings is manually entered on General Task 3</i>	--
<b>Total Meetings</b>				<b>0</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 9.12

Carries to Tab 3



**Project Activity 13: Structures- Medium Span Concrete**

Estimator:

W Matanzas Woods Parkway Extension

Bridge Identifier (Number or Name):

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>General Layout Design and Plans</b>							
13.1	Overall Bridge Final Geometry	LS	1	24		24	2 span bridge to span FEC and FPL easement. Little to no skew expected.
13.2	Expansion/Contraction Analysis	EA Unit	1	6		6	joints at each end bent
13.3	General Plan and Elevation	Sheet	2	36	2	72	1 Plan sheet and 1 Elevation. Additional considerations for FEC and FPL easement
13.4	Construction Staging	Sheet	0	0	0	0	No phased construction for the single bridge
13.5	Approach Slab Plan and Details	Sheet	1	8	1	8	Standard Approach Slabs
13.6	Miscellaneous Details	Sheet	4	12	4	48	2 sheets for miscellaneous details for FEC construction requirements, 1 sheet for Bridge Load Rating, 1 sheet for Temporary Beam Bracing
<b>End Bent Design and Plans</b>							
13.7	End Bent Geometry	EA End Bent	2	8		16	little to no skew
13.8	Wingwall Design and Geometry	EA End Bent	2	2		4	cheekwalls for wrap-around MSE walls
13.9	End Bent Structural Design	EA Design	2	32		64	2 designs. End Bent 1 will support longer span over FEC RR. End Bent 3 will support shorter span over FPL esmt.
13.10	End Bent Plan and Elevation	Sheet	2	24	2	48	little to no skew. 1 sheet for each end bent for both plan and elevation
13.11	End Bent Details	Sheet	3	16	3	48	End Bent Details 1 of 3 for two unique sections for both End Bent 1 and End Bent 3. End Bent Details 2 of 3 sheet for cheekwalls for wrap around MSE walls at End Bent 1. End Bent Details 3 of 3 for cheekwalls for wrap around MSE walls at End Bent 3.
<b>Intermediate Bent Design and Plans</b>							
13.12	Bent Geometry	EA Bent	0	0		0	
13.13	Bent Stability Analysis	EA Design	0	0		0	
13.14	Bent Structural Design	EA Design	0	0		0	
13.15	Bent Plan and Elevation	Sheet	0	0	0	0	
13.16	Bent Details	Sheet	0	0	0	0	
<b>Pier Design and Plans</b>							
13.17	Pier Geometry	EA Pier	1	16		16	little to no skew. Normal pier
13.18	Pier Stability Analysis	EA Design	1	24		24	min tip analysis for stability

**Project Activity 13: Structures- Medium Span Concrete**

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
13.19	Pier Structural Design	EA Design	1	40		40	Multi-column pier
13.20	Pier Plan and Elevation	Sheet	1	24	1	24	multi-column pier with rectangular cap and deep foundation pile cap
13.21	Pier Details	Sheet	3	24	3	72	1 sheet for cap and column sections, 1 sheet for pedestals, 1 sheet for footings elevations/sections
<b>Miscellaneous Substructure Design and Plans</b>							
13.22	Foundation Layout	Sheet	2	16	2	32	1 Foundation Layout sheet, 1 Pile Data Installation Table sheet with notes
<b>Superstructure Deck Design and Plans</b>							
13.23	Finish Grade Elevation (FGE) Calculation	LS	1	32		32	2 spans, variable beam spacing from span 1 to span 2, little to no skew
13.24	Finish Grade Elevations	Sheet	2	16	2	32	1 sheet for plan and section views, 1 sheet for Table of Elevations
13.25	Bridge Deck Design	EA Section	2	24		48	2 sections, 1 for each span, span 1 beam spacing differs from span 2 beam spacing, traditional design for each section (Does not included design effort to hang utilities - See optional services)
13.26	Bridge Deck Reinforcing and Concrete Quantities	EA Unit	1	16		16	
13.27	Diaphragm Design	EA Section	0	0		0	
13.28	Superstructure Plan	Sheet	2	16	2	32	1 sheet for each span
13.29	Superstructure Section	Sheet	2	16	2	32	1 sheet for each span
13.30	Miscellaneous Superstructure Details	Sheet	3	16	3	48	1 sheet for thickened slab ends, 1 sheet for open joints, bearing pads, 1 sheet for pour sequence, misc details
<b>Reinforcing Bar Lists</b>							
13.31	Preparation of Reinforcing Bar List	Sheet	3	12	3	36	End Bent, Pier Cap, Pier Column, Pier Footing, Deck, Thickened Deck End, Approach Slab
<b>Continuous Concrete Girder Design</b>							
13.32	Section Properties	LS	1	0		0	
13.33	Material Properties	LS	1	0		0	
13.34	Construction Sequence	EA Unit	0	0		0	
13.35	Tendon Layouts	EA Unit	0	0		0	
13.36	Live Load Analysis	EA Unit	0	0		0	
13.37	Temperature Gradient	EA Unit	0	0		0	
13.38	Time Dependent Analysis	EA Unit	0	0		0	
13.39	Stress Summary	EA Unit	0	0		0	
13.40	Ultimate Moments	EA Unit	0	0		0	
13.41	Ultimate Shear	EA Unit	0	0		0	
13.42	Construction Loading	EA Unit	0	0		0	

**Project Activity 13: Structures- Medium Span Concrete**

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
13.43	Framing Plan	Sheet	0	0	0	0	
13.44	Girder Elevation, including Grouting Plan and Vent Locations	Sheet	0	0	0	0	
13.45	Girder Details	Sheet	0	0	0	0	
13.46	Erection Sequence	Sheet	0	0	0	0	
13.47	Splice Details	Sheet	0	0	0	0	
13.48	Girder Deflections and Camber	Sheet	0	0	0	0	
<b>Simple Span Concrete Design</b>							
13.49	Prestressed Beam	EA Design	4	8		32	1 interior and 1 exterior design for longer span, 1 interior and 1 exterior for shorter span
13.50	Prestressed Beam Schedules	Sheet	1	16	1	16	
13.51	Framing Plan	Sheet	0	0	0	0	
<b>Beam Stability</b>							
13.52	Beam/girder stability	EA Unit	2	12		24	1 design for each span
<b>Bearing</b>							
13.53	Bearing pad and bearing plate design	Type/ Span	0	0		0	
13.54	Bearing pad and bearing plate details	Sheet	0	0	0	0	
<b>Load Rating</b>							
13.55	Load Ratings	Per Beam	4	10		40	interior and exterior for each span
<b>13. Structures - Medium Span Concrete Bridge Total</b>					<b>31</b>	<b>934</b>	

**Project Activity 13: Structures- Medium Span Concrete**

Estimator:

W Matanzas Woods Parkway Extension

Bridge Identifier (Number or Name):

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>General Layout Design and Plans</b>							
13.1	Overall Bridge Final Geometry	LS	1	0		0	
13.2	Expansion/Contraction Analysis	EA Unit	1	0		0	
13.3	General Plan and Elevation	Sheet	0	0	0	0	
13.4	Construction Staging	Sheet	0	0	0	0	
13.5	Approach Slab Plan and Details	Sheet	0	0	0	0	
13.6	Miscellaneous Details	Sheet	0	0	0	0	
<b>End Bent Design and Plans</b>							
13.7	End Bent Geometry	EA End Bent	0	0		0	
13.8	Wingwall Design and Geometry	EA End Bent	0	0		0	
13.9	End Bent Structural Design	EA Design	0	0		0	
13.10	End Bent Plan and Elevation	Sheet	0	0	0	0	
13.11	End Bent Details	Sheet	0	0	0	0	
<b>Intermediate Bent Design and Plans</b>							
13.12	Bent Geometry	EA Bent	0	0		0	
13.13	Bent Stability Analysis	EA Design	0	0		0	
13.14	Bent Structural Design	EA Design	0	0		0	
13.15	Bent Plan and Elevation	Sheet	0	0	0	0	
13.16	Bent Details	Sheet	0	0	0	0	
<b>Pier Design and Plans</b>							
13.17	Pier Geometry	EA Pier	0	0		0	
13.18	Pier Stability Analysis	EA Design	0	0		0	

**Project Activity 13: Structures- Medium Span Concrete**

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
13.19	Pier Structural Design	EA Design	0	0		0	
13.20	Pier Plan and Elevation	Sheet	0	0	0	0	
13.21	Pier Details	Sheet	0	0	0	0	
<b>Miscellaneous Substructure Design and Plans</b>							
13.22	Foundation Layout	Sheet	0	0	0	0	
<b>Superstructure Deck Design and Plans</b>							
13.23	Finish Grade Elevation (FGE) Calculation	LS	1	0		0	
13.24	Finish Grade Elevations	Sheet	0	0	0	0	
13.25	Bridge Deck Design	EA Section	2	24		48	2 sections, 1 for each span, span 1 beam spacing differs from span 2 beam spacing, traditional design for each section (Includes redesign effort to hang utilities from deck)
13.26	Bridge Deck Reinforcing and Concrete Quantities	EA Unit	1	4		4	Revise
13.27	Diaphragm Design	EA Section	0	0		0	
13.28	Superstructure Plan	Sheet	2	4	2	8	Revise
13.29	Superstructure Section	Sheet	2	4	2	8	Revise
13.30	Miscellaneous Superstructure Details	Sheet	0	0	0	0	
<b>Reinforcing Bar Lists</b>							
13.31	Preparation of Reinforcing Bar List	Sheet	0	0	0	0	
<b>Continuous Concrete Girder Design</b>							
13.32	Section Properties	LS	1	0		0	
13.33	Material Properties	LS	1	0		0	
13.34	Construction Sequence	EA Unit	0	0		0	
13.35	Tendon Layouts	EA Unit	0	0		0	
13.36	Live Load Analysis	EA Unit	0	0		0	
13.37	Temperature Gradient	EA Unit	0	0		0	
13.38	Time Dependent Analysis	EA Unit	0	0		0	
13.39	Stress Summary	EA Unit	0	0		0	
13.40	Ultimate Moments	EA Unit	0	0		0	
13.41	Ultimate Shear	EA Unit	0	0		0	
13.42	Construction Loading	EA Unit	0	0		0	

**Project Activity 13: Structures- Medium Span Concrete**

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
13.43	Framing Plan	Sheet	0	0	0	0	
13.44	Girder Elevation, including Grouting Plan and Vent Locations	Sheet	0	0	0	0	
13.45	Girder Details	Sheet	0	0	0	0	
13.46	Erection Sequence	Sheet	0	0	0	0	
13.47	Splice Details	Sheet	0	0	0	0	
13.48	Girder Deflections and Camber	Sheet	0	0	0	0	
<b>Simple Span Concrete Design</b>							
13.49	Prestressed Beam	EA Design	0	0		0	
13.50	Prestressed Beam Schedules	Sheet	0	0	0	0	
13.51	Framing Plan	Sheet	0	0	0	0	
<b>Beam Stability</b>							
13.52	Beam/girder stability	EA Unit	0	0		0	
<b>Bearing</b>							
13.53	Bearing pad and bearing plate design	Type/ Span	0	0		0	
13.54	Bearing pad and bearing plate details	Sheet	0	0	0	0	
<b>Load Rating</b>							
13.55	Load Ratings	Per Beam	0	0		0	
<b>13. Structures - Medium Span Concrete Bridge Total</b>					<b>4</b>	<b>68</b>	



**Project Activity 17: Retaining Walls**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>General Requirements</b>							
17.1	Key Sheet	Sheet	0	0	0	0	
17.2	Horizontal Wall Geometry	Per Wall	2	12		24	walls at begin and end bridge locations
<b>Permanent Proprietary Walls</b>							
17.3	Vertical Wall Geometry	Per Wall	2	16		32	wrap around walls
17.4	Semi-Standard Drawings	Sheet	2	8	2	16	2 sheets for soil parameters, settlement, soil reinforcement lengths
17.5	Wall Plan and Elevations (Control Drawings)	Sheet	4	24	4	96	1 plan and 1 elevation for each wall at begin and end bridge locations
17.6	Details	Sheet	2	16	2	32	2 details sheets
<b>Temporary Proprietary Walls</b>							
17.7	Vertical Wall Geometry	Per Wall	0	0		0	
17.8	Semi-Standard Drawings	Sheet	0	0	0	0	
17.9	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	
17.10	Details	Sheet	0	0	0	0	
<b>Cast-in-Place Retaining Walls</b>							
17.11	Design	EA Design	0	0		0	
17.12	Vertical Wall Geometry	EA Wall	0	0		0	
17.13	General Notes	Sheet	0	0	0	0	
17.14	Wall Plan and Elevations (Control Drawings)	Sheet	0	0	0	0	
17.15	Sections and Details	Sheet	0	0	0	0	
17.16	Reinforcing Bar List	Sheet	0	0	0	0	

**Project Activity 17: Retaining Walls**

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>Other Retaining Walls and Bulkheads</b>							
17.17	Design	EA Design	0	0		0	
17.18	Vertical Wall Geometry	EA Wall	0	0		0	
17.19	General Notes, Tables and Misc. Details	Sheet	0	0	0	0	
17.20	Wall Plan and Elevations	Sheet	0	0	0	0	
17.21	Details	Sheet	0	0	0	0	
<b>17. Structures - Retaining Walls Total</b>					<b>8</b>	<b>200</b>	

**Project Activity 18: Miscellaneous Structures  
(OPTIONAL SERVICES)**

Estimator:

W Matanzas Woods Parkway Extension  
TBD

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>Concrete Box Culvert</b>							
18.1	Concrete Box Culverts	EA	0	0		0	
18.2	Concrete Box Culverts Extensions	EA Extension	0	0		0	
18.3	Concrete Box Culvert Data Table Plan Sheets	Sheet	0	0	0	0	
18.4	Concrete Box Culvert Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Strain Poles</b>							
18.5	Steel Strain Poles	Initial Config	0	0		0	
		EA Add'l Config	0	0		0	
18.6	Concrete Strain Poles	Initial Config	0	0		0	
		EA Add'l Config	0	0		0	
18.7	Strain Pole Data Table Plan Sheets	Sheet	0	0	0	0	
18.8	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Mast Arms</b>							
18.9	Mast Arms	EA Design	8	12		96	2 intersections. 4 mast arms at each intersection
18.10	Mast Arms Data Table Plan Sheets	Sheet	2	8	2	16	2 sheets for 8 Mast Arms. 1 sheet per intersection
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	0	assumed no special designs
<b>Overhead/Cantilever Sign Structures</b>							
18.12	Cantilever Sign Structures	EA Design	0	0		0	
18.13	Overhead Span Sign Structures	EA Design	0	0		0	
18.14	Special (Long Span) Overhead Span Sign Structures	EA Design	0	0		0	
18.15	Monotube Overhead Sign Structure	EA Design	0	0		0	
18.16	Bridge Mounted Signs (Attached to Superstr.)	EA Design	0	0		0	
18.17	Overhead and Cantilever Sign Structures Data Table Plan Sheets	Sheet	0	0	0	0	
18.18	Overhead and Cantilever Sign Structures Special Details Plan Sheets	Sheet	0	0	0	0	
<b>High Mast Lighting</b>							
18.19	Non-Standard High Mast Lighting Structures	EA Design	0	0		0	
18.20	High Mast Lighting Special Details Plan Sheets	Sheet	0	0	0	0	
<b>Noise Barrier Walls (Ground Mount)</b>							
18.21	Horizontal Wall Geometry	EA Wall	0	0		0	
18.22	Vertical Wall Geometry	EA Wall	0	0		0	
18.23	Summary of Quantities - Aesthetic Requirements	Sheet	0	0	0	0	
18.24	Control Drawings	Sheet	0	0	0	0	
18.25	Design of Noise Barrier Walls Covered by Standards	EA Design	0	0		0	
18.26	Design of Noise Barrier Walls Not Covered by Standards	EA Design	0	0		0	
18.27	Aesthetic Details	LS	1	0		0	
<b>Special Structures</b>							

**Project Activity 18: Miscellaneous Structures  
(OPTIONAL SERVICES)**

18.28	Fender System	LS	1	0		0	
18.29	Fender System Access	LS	1	0		0	
18.30	Special Structures	LS	1	0		0	
18.31	Other Structures	LS	1	0		0	
<b>Ancillary Structures Report</b>							
18.32	Condition Evaluation of Signal and Sign Structures, and High Mast Light Poles	EA structure	0	0	0	0	
18.33	Condition Evaluation of Signal and Sign Structures, and High Mast Light Poles (No As built or Design Plans Available)	EA structure	0	0	0	0	
18.34	Analytical Evaluation of Signal and Sign Structures, and High Mast Light Poles	EA structure	0	0	0	0	
18.35	Ancillary Structures Report	LS	1	0		0	
<b>18. Structures - Miscellaneous Total</b>					<b>2</b>	<b>112</b>	

**Project Activity 19: Signing and Pavement Marking Analysis**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
19.1	Traffic Data Analysis	LS	1	4	4	review of preliminary engineering reports
19.2	No Passing Zone Study	LS	1	0	0	
19.3	Signing and Pavement Marking Master Design File	LS	1	119	119	Middle range 45 hours for set up 90 hours per mile (4300') 45+ 74+ =119
19.4	Multi-Post Sign Support Calculations	EA	1	0	0	
19.5	Sign Panel Design Analysis	EA	1	0	0	
19.6	Sign Lighting/Electrical Calculations	EA	1	0	0	
19.7	Quantities for EQ Report	LS	1	30	30	Middle range 20 hours for 1st 1500' + 2 hours for 2800'+ 8 hours for 2 intersection
19.8	Cost Estimate	LS	1	12	12	4 hours * 3 submittals
19.9	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
19.10	Other Signing and Pavement Marking	LS	1	0	0	
<b>Signing and Pavement Marking Analysis Technical Subtotal</b>					<b>165</b>	
19.11	Field Reviews	LS	1	16	16	2 people * 8 hours = 16 hours
19.12	Technical Meetings	LS	1	16	16	Meetings are listed below
19.13	Quality Assurance/Quality Control	LS	%	5%	8	
19.14	Independent Peer Review	LS	%	0%	0	
19.15	Supervision	LS	%	5%	8	
<b>Signing and Pavement Marking Analysis Nontechnical Subtotal</b>					<b>48</b>	
19.16	Coordination	LS	%	5%	11	
<b>19. Signing and Pavement Marking Analysis Total</b>					<b>224</b>	

**Project Activity 19: Signing and Pavement Marking Analysis**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments		
Technical Meetings		Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
	Sign Panel Design	EA	0	0	0			0
	Queue Length Analysis	EA	0	0	0			0
	Local Governments (cities, counties)	EA	1	6	6	Meetings with City of Palm Coast 2 hours for meeting +3 hours travel time + 1 hours preparation time		0
	Other Meetings	EA	0	0	0			0
<b>Subtotal Technical Meetings</b>					<b>6</b>	<b>Subtotal Project Manager Meetings</b>		<b>0</b>
	Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
	Phase Review Meetings	EA	2	5	10	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
<b>Total Meetings</b>					<b>16</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>0</b>

Carries to 19.12

Carries to Tab 3



**Project Activity 20: Signing and Pavement Marking Plans**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
20.1	Key Sheet		Sheet	1	4	1	4	Signing Key Sheet 4 hours
20.2	General Notes/Pay Item Notes		Sheet	1	4	1	4	City of Palm Coast General notes
20.3	Project Layout		Sheet	0	0	0	0	
20.4	Plan Sheet		Sheet	7	4	7	28	4300 @ 50 scale = 670' / sheet
20.5	Typical Details		EA	0	0		0	
20.6	Guide Sign Worksheets		EA	0	0		0	
20.7	Traffic Monitoring Site		EA	0	0		0	
20.8	Cross Sections		EA	0	0		0	
20.9	Special Service Point Details		EA	0	0		0	
20.10	Special Details		LS	1	0		0	
20.11	Interim Standards		LS	1	0		0	
<b>Signing and Pavement Marking Plans Technical Subtotal</b>						<b>9</b>	<b>36</b>	
20.12	Quality Assurance/Quality Control		LS	%	5%		2	
20.13	Supervision		LS	%	5%		2	
<b>20. Signing and Pavement Marking Plans Total</b>						<b>9</b>	<b>40</b>	

**Project Activity 21: Signalization Analysis  
(Optional Services)**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
21.1	Traffic Data Collection	LS	1	0	0	
21.2	Traffic Data Analysis	PI	2	5	10	development of SOP and intersection geometry
21.3	Signal Warrant Study	LS	1	0	0	
21.4	System Timings	LS	1	6	6	6 hours for first 2 intersections ped features yellow and all red timings
21.5	Reference and Master Signalization Design File	PI	2	35	70	middle range 35 hours per intersection 2 intersections
21.6	Reference and Master Interconnect Communication Design File	LS	1	28	28	designing conduit for future fiber optic cable runs 8 hours set up and 20 hours (24 hours per mile * 4300/5280)
21.7	Overhead Street Name Sign Design	EA	4	2	8	4 illuminated street name signs
21.8	Pole Elevation Analysis	LS	1	3	3	2 intersections 2 hours for 1st + 1 hour for additional
21.9	Traffic Signal Operation Report	LS	1	0	0	
21.10	Quantities for EQ Report	LS	1	24	24	20 hours for 1st intersection 4 hours per additional
21.11	Cost Estimate	LS	1	12	12	3 @ 4 hours each
21.12	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
21.13	Other Signalization Analysis	LS	1	0	0	
<b>Signalization Analysis Technical Subtotal</b>					<b>161</b>	
21.14	Field Reviews	LS	1	16	16	2 people @ 8 hours
21.15	Technical Meetings	LS	1	16	16	Meetings are listed below
21.16	Quality Assurance/Quality Control	LS	%	5%	8	
21.17	Independent Peer Review	LS	%	0%	0	
21.18	Supervision	LS	%	5%	8	
<b>Signalization Analysis Nontechnical Subtotal</b>					<b>48</b>	

**Project Activity 21: Signalization Analysis  
(Optional Services)**

21.19	Coordination	LS	%	5%	10	
<b>21. Signalization Analysis Total</b>					<b>219</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
FDOT Traffic Operations	EA	0	0	0			0
FDOT Traffic Design	EA	0	0	0			0
Power Company (service point coordination)	EA	1	4	4	power service locations		0
Maintaining Agency (cities, counties)	EA	1	4	4	1 with city		0
Railroads	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
<b>Subtotal Technical Meetings</b>				<b>8</b>		<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	2	4	8	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
<b>Total Meetings</b>				<b>16</b>		<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 21.15

Carries to Tab 3

**Project Activity 22: Signalization Plans  
(Optional Services)**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Scale	Units	No of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
22.1	Key Sheet		Sheet	1	4	1	4	signalization keysheet
22.2	General Notes/Pay Item Notes		Sheet	1	8	1	8	signal plan notes for City of Palm Coast
22.3	Plan Sheet		Sheet	2	4	2	8	2 intersections 4 hours per intersection
22.4	Interconnect Plans		Sheet	2	4	2	8	conduit routing to be coordinated with City
22.5	Traffic Monitoring Site		EA	0	0		0	
22.6	Guide Sign Worksheet		EA	4	2		8	4 illuminated street name signs
22.7	Special Details		Sheet	0	0	0	0	
22.8	Special Service Point Details		EA	0	0		0	
22.9	Mast Arm/Monotube Tabulation Sheet		PI	0	0		0	
22.10	Strain Pole Schedule		PI	0	0		0	
22.11	TTCP Signal		EA	0	0		0	
22.12	Temporary Detection Sheet		PI	0	0		0	
22.13	Utility Conflict Sheet		Sheet	2	6	2	12	Utility location sheets 2 signalized intersections
22.14	Interim Standards		LS	1	0		0	
<b>Signalization Plans Technical Subtotal</b>						<b>8</b>	<b>48</b>	
22.15	Quality Assurance/Quality Control		LS	%	5%		2	
22.16	Supervision		LS	%	5%		2	
<b>22. Signalization Plans Total</b>						<b>8</b>	<b>52</b>	

**Project Activity 23: Lighting Analysis**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

**NOTE: Signature Block is optional, per District preference**

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
23.1	Lighting Justification Report	LS	1	0	0	
23.2	Lighting Design Analysis Report (LDAR)	LS	1	76	76	Middle range lighting analysis 60 hours for corridor + 16 hours for 2 intersections
23.3	Voltage Drop Calculations	EA	0	0	0	
23.4	FDEP Coordination and Report	LS	1	0	0	
23.5	Reference and Master Design Files	LS	1	98	98	Middle range lighting 25 hours setup + 73 hours (90 * 4300' / 5280)
23.6	Temporary Highway Lighting	LS	1	0	0	
23.7	Design Documentation	LS	1	18	18	3 submittals @ 6 hours per submittal
23.8	Quantities for EQ Report	LS	1	21	21	7 plan sheets 3 hours per sheet
23.9	Cost Estimate	LS	1	12	12	3 @ 4 hours
23.10	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
23.11	Other Lighting Analysis	LS	1	16	16	Power coordination
<b>Lighting Analysis Technical Subtotal</b>					<b>241</b>	
23.12	Field Reviews	LS	1	16	16	2 people @ 8 hours
23.13	Technical Meetings	LS	1	10	10	
23.14	Quality Assurance/Quality Control	LS	%	5%	12	
23.15	Independent Peer Review	LS	%	5%	12	
23.16	Supervision	LS	%	5%	12	
<b>Lighting Analysis Nontechnical Subtotal</b>					<b>62</b>	
23.17	Coordination	LS	%	5%	15	
<b>23. Lighting Analysis Total</b>					<b>318</b>	

**Project Activity 23: Lighting Analysis**

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
FDOT Lighting Design	EA	0	0	0			0
FDOT Traffic Design	EA	0	0	0			0
Power Company (service point coordination)	EA	2	2	4	power company coordination		0
Maintaining Agency (cities, counties)	EA	1	6	6	Meetings with City of Palm Coast 2 hours for meeting + 3 hours travel time + 1 hours preparation time		0
Airport authority	EA	0	0	0			0
FDEP Lighting (coast areas)	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
<b>Subtotal Technical Meetings</b>				<b>10</b>	<b>Subtotal Project Manager Meetings</b>		<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
<b>Total Meetings</b>				<b>10</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>0</b>

Carries to 23.13

Carries to Tab 3



**24. Lighting Plans-DRMP**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
24.1	Key Sheet		Sheet	1	4	1	4	Lighting keysheet
24.2	General Notes/Pay Item Notes		Sheet	1	6	1	6	lighting plans general notes
24.3	Pole Data, Legend and Criteria		Sheet	1	15	1	15	1 sheet anticipated
24.4	Service Point Details		Sheet	2	8	2	16	2 location anticipated
24.5	Project Layout		Sheet	0	0	0	0	
24.6	Plan Sheet		Sheet	7	3	7	21	4300 @ 50 scale = 670' / sheet
24.7	Special Details		Sheet	0	0	0	0	
24.8	Temporary Highway Lighting Detail Sheets		Sheet	0	0	0	0	
24.9	Temporary Highway Lighting Plan Sheets		Sheet	0	0	0	0	
24.10	Interim Standards		LS	1	0		0	
<b>Lighting Plans Technical Subtotal</b>						<b>12</b>	<b>62</b>	
24.11	Quality Assurance/Quality Control		LS	%	5%		3	
24.12	Supervision		LS	%	5%		3	
<b>24. Lighting Plans Total</b>						<b>12</b>	<b>68</b>	

**25. Landscape Analysis-Matthews**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
25.1	Data Collection	LS	1	30	30	Our designs will follow the minimum required per FDOT standards and Palm Coast Landscape and Irrigation Ordinances.
25.2	Site Inventory and Analysis					
25.2a	Selective Clearing and Grubbing Site Inventory	LS	1	0	0	
25.2b	Inventory and Analysis	LS	1	12	12	For the area between US1 and existing roundabout
25.2c	Vegetation Disposition Plan					
25.2c1	Vegetation Disposition Plan- Mainline	Per mainline mile	1	10	10	
25.2c2	Vegetation Disposition Plan- Interchange	Per interchange	0	0	0	
25.3	Planting Design					
25.3a	Conceptual Planting Design					
25.3a1	Report Preparation	LS	1	30	30	
25.3a2	Mainline	Per mainline mile	1	30	30	
25.3a3	Interchanges, Intersections, and Rest Areas	EA	0	0	0	
25.3a4	Toll Plazas	EA	0	0	0	
25.3b	Final Planting Design					
25.3b1	Master Design File Creation	LS	1	50	50	Landscape and Irrigation services will be limited to within the final length of the extension and within the ROW determined at the 60% submittal. These areas will include ROW to edge of pavements and any landscaped medians.
25.3b2	Mainline	Per mainline mile	1	40	40	
25.3b3	Interchanges, Intersections, and Rest Areas	EA	0	0	0	
25.3b4	Toll Plazas	EA	0	0	0	

**25. Landscape Analysis-Matthews**

25.4	Irrigation Design					
25.4a	Conceptual Irrigation Design					
25.4a1	Feasibility Report	LS	1	12	12	Palm Coast will provide an Irrigation source. Development of confirmation memo with City staff.
25.4a2	Mainline	Per mainline mile	1	40	40	
25.4a3	Interchanges, Intersections, and Rest Areas	EA	0	0	0	
25.4a4	Toll Plazas	EA	0	0	0	
25.4b	Final irrigation Design					
25.4b1	Mainline	Per mainline mile	1	50	50	
25.4b2	Interchanges, Intersections, and Rest Areas	EA	0	0	0	
25.4b3	Toll Plazas	EA	0	0	0	
25.5	Hardscape Design					
25.5a	Conceptual Hardscape Design	Per mainline mile	0	0	0	
25.5b	Final Hardscape Design	Per mainline mile	0	0	0	
25.6	Roll Plots	EA	0	0	0	
25.7	Quantities for EQ Report	Project Complexity	Low Range	Calculated Hours	20	Develop summary tables
		Phase 2 Submittal	No			
25.8	Cost Estimates	LS	1	48	48	2 estimates per phase (Landscaping and Irrigation) for 3 phases @ 8 hours
25.9	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
25.10	Inspection Services	LS	1	0	0	
25.11	Other Landscape Services	LS	1	0	0	
25.12	Outdoor Advertising	EA	1	0	0	
<b>Landscape Analysis Technical Subtotal</b>					<b>372</b>	
25.13	Field Reviews	LS	1	32	32	2 reviews at 2 people @ 8 each review = 32
25.14	Technical Meetings / Public Meetings	LS	1	32	32	Meetings are listed below
25.15	Quality Assurance/Quality Control	LS	%	7%	26	

**25. Landscape Analysis-Matthews**

25.16	Independent Peer Review	LS	%	0%	0	
25.17	Supervision	LS	%	5%	19	
<b>Landscape Analysis Nontechnical Subtotal</b>					<b>109</b>	

**25. Landscape Analysis-Matthews**

25.18	Project Coordination	LS	%	2%	10	
25.19	Interdisciplinary Coordination	LS	%	0%	0	
<b>25. Landscape Analysis Total</b>					<b>491</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
FDOT (kickoff, concept review)	EA	0	0	0		yes	1
Maintaining Agency (cities, counties)	EA	4	5	20		yes	1
Utility Owners	EA	0	0	0			0
Local Agency for Tree Removal	EA	1	0	0			0
Local Citizen Group(s)	EA	1	0	0			0
Other Meetings	EA	2	6	12	Concept Development meeting		0
<b>Subtotal Technical Meetings</b>				<b>32</b>	<b>Subtotal Project Manager Meetings</b>		<b>2</b>
Progress Meetings (if required by FDOT)	EA	1	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	1	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
<b>Total Meetings</b>				<b>32</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>2</b>

Carries to 25.14

Carries to Tab 3

**26. Landscape Plans-Matthews**

Estimator:		26. Landscape Plans Staff Hours							Enter project name & description 999999-1-32-01
Representing		Print Name				Signature / Date			
FDOT District									
Consultant Name									
<i>NOTE: Signature Block is optional, per District preference</i>									
Task No.	Task	Project Parameter			Staff Hours				Documentation
		Description	Units	Complexity	Calculated	Department	Consultant	Negotiated	Provide documentation when negotiated hours differ from the calculated hours.
26.1	Key Sheet		Yes		6	0	0	0	
	Signature Sheet		Yes						
26.2	Plant Schedule		Yes		4	0	0	0	
26.3	General Notes/Pay Item Notes	Notes	12		8	0	0	0	
26.4	Planting Plans For Linear Areas	Length (Miles)	1.00	Mid Range	124	0	0	0	If revisions are needed to an approved Landscape and Irrigation construction plan, MDG may need to bill the time under an Additional Services Contract.
26.5	Planting Plans for Non-Linear Areas (Stormwater Facilities, Rest Areas, Interchanges, & Toll Plazas)	Area (Acre)	7.00	Mid Range	35	0	0	0	
26.6	Planting Details and Notes	Details	10		40	0	0	0	
26.7	Irrigation Plans for Linear Areas	Length (Miles)	1.00	Mid Range	124	0	0	0	If revisions are needed to an approved Landscape and Irrigation construction plan, MDG may need to bill the time under an Additional Services Contract.
26.8	Irrigation Plans for Non-Linear Areas (Stormwater Facilities, Rest Areas, Interchanges, & Toll Plazas)	Area (Acre)	7.00	Mid Range	35	0	0	0	
26.9	Irrigation Details and Notes	Details	10		40	0	0	0	
26.10	Hardscape Plans		No		0	0	0	0	
26.11	Hardscape Details and Notes		No		0	0	0	0	
26.12	Maintenance Plan		Yes	Mid Range	16	0	0	0	
<b>Landscape Plans Technical Hours Subtotal</b>					<b>432</b>	<b>0</b>	<b>0</b>	<b>0</b>	
26.13	Quality Assurance/Quality Control	%	7%		31	0	0	0	
26.14	Supervision	%	5%		22	0	0	0	
<b>26. Landscape Plans Total</b>					<b>485</b>	<b>0</b>	<b>0</b>	<b>0</b>	



**27. Survey-DRMP**

Estimator: Bill Faust, PSM

W Matanzas Woods Parkway Extension  
TBD

<b>Representing</b>	<b>Print Name</b>	<b>Signature / Date</b>
	Flagler County	
<b>Consultant Name</b>	DRMP, Inc.	

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.1	Horizontal Project Control (HPC)									Establish primary and secondary control for the project. Datum will be based on NAD83-2011 adjustment and tied to our current survey for COPC Public Works Facility
	2-Lane Roadway	Mile	1.00	1.50	1.50	1.00	1.50	3.00	4.50	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.2	Vertical PC / Bench Line									Establish primary and secondary control for the project. Datum will be based on NAVD88 and tied to our current survey for COPC Public Works Facility
	2-Lane Roadway	Mile	1.00	1.50	1.50	1.00	1.50	3.00	4.50	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.3	Alignment and Existing R/W Lines									establish alignment for project route across FEC property to termination point
		Mile	1.00	1.50	1.50	1.00	1.50	4.00	6.00	
27.4	Aerial Targets			Units/Day						na
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
27.5	Reference Points	"A"		Units/Day						Establish reference points for alignment, PC's, PT's, PI's and 1,000 foot stations will be set along project alignment. 5 sets of references. Additional tech time for PNC sheets.
	2-Lane Roadway	EA	15.00	10.00	1.50	1.00	1.50	6.00	9.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	

**27. Survey-DRMP**

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
	Reference Points	"B"		Units/Day						
	Non Alignment Points/Approximate	EA			0.00		0.00		0.00	
27.6	Topography/DTM (3D)									
		Mile	1.00	7.00	7.00	1.00	7.00	8.00	56.00	Collect 3D topographic features along project alignment west of the FEC Railroad (limits will be to 750 feet west and be a strip of land about 500 feet width to allow for the movement of the proposed alignment to it's best location. Topo along the FEC Railroad corridor for 1,000 feet north and 1,000 feet south of the proposed bridge for the with of the railroad right of way, 150 feet. Most of the topo east of the FEC corridor has been surveyed under or current project for the COPC Public Works Facility but we will need to extend our survey 500 feet to reach the US-1 corridor and capture the round-about intersection for the design of the COPC proposed water, sewer and reclaimed water facilities. Tech Time will be need to convert the current survey from AutoCAD to Micro Station SS10.
27.7	Planimetric (2D)									
		Mile			0.00		0.00		0.00	
27.8	Roadway Cross-Sections/Profiles									
		Mile			0.00		0.00		0.00	
27.9	Side Street Surveys									
		Mile			0.00		0.00		0.00	
27.10	Underground Utilities									
	Designates	Mile/Site	3.00	2.00	6.00	1.00	6.00	4.00	24.00	Designate underground utilities to include extension for the propped design of COPC water, sewer and reclaimed water facilities. Perform VVH's on the utility connection points and conflicts. Perform VVH's for utilities near the proposed Bridge location. Estimate 30 VVH's for budgeting.
	Locates	Point	30	0.25	7.50	1.00	7.50	4.00	30.00	
	Survey		30%	13.50	4.05	1.00	4.05	4.00	16.20	
27.11	Outfall Survey									
		Mile			0.00		0.00		0.00	
27.12	Drainage Survey			Units/Day						
		EA			0.00		0.00		0.00	
27.13	Bridge Survey									
	Minor / Major	EA			0.00		0.00		0.00	
27.14	Channel Survey									
		EA			0.00		0.00		0.00	

**27. Survey-DRMP**

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.15	Pond Site Survey									Provide 3D survey for estimated 2 acre pond site west of FEC RR
		EA	2.00	1.00	2.00	1.00	2.00	3.00	6.00	
27.16	Mitigation Survey									
		Mile			0.00		0.00		0.00	
27.17	Jurisdiction Line Survey									Estimate 1.5 Days of Wetland Location
		Mile	1.00	1.50	1.50		0.00		0.00	
27.18	Geotechnical Support			Units/Day						Estimate 20 Geotech Locations
		EA	20	10	2.00		0.00		0.00	
27.19	Sectional / Grant Survey									
		Corner			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
27.20	Subdivision Location									
		Block			0.00		0.00		0.00	
27.21	Maintained R/W									
		Mile			0.00		0.00		0.00	
27.22	Boundary Survey									
		EA			0.00		0.00		0.00	
27.23	Water Boundary Survey									
		EA			0.00		0.00		0.00	
27.24	R/W Staking / R/W Line									
		EA			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
27.25	R/W Monumentation									
		Point			0.00		0.00		0.00	
27.26	Line Cutting									
		Mile			0.00					
27.27	Work Zone Safety									MOT as required for access to FEC railroad corridor
			0.125	36.05	4.51					
27.28	Vegetation Survey									
		LS							0	

**27. Survey-DRMP**

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.29	Tree Survey									
		LS							0	
27.30	Miscellaneous Surveys				0.00		0.00		0.00	
<b>Survey Subtotal</b>					<b>41</b>		<b>33</b>		<b>156</b>	
27.31	Supplemental Surveys									THE % FOR SUPPLEMENTAL WILL BE DETERMINED AT NEGOTIATIONS. THIS ITEM CAN ONLY BE USED IF AUTHORIZED IN WRITING BY THE DISTRICT SURVEYOR
				41	0		0		0	
27.32	Document Research	Units								Utility permit and owner research.
			8.00						8	
27.33	Field Reviews	Units								
									0	
27.34	Technical Meetings	LS								
			12.00						12	
27.35	Quality Assurance / Quality Control	LS						5%	8	
27.36	Supervision	LS						5%	10	
27.37	Coordination	LS								
								3%	5	
<b>27. Survey Total</b>					<b>41</b>		<b>33</b>		<b>199</b>	

SPLS =  
 PLS =  
 Office Support =  
 Total Hours = 232

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number	Comments
Kickoff Meeting with FDOT	EA	0	0	0		0	
Baseline Approval Review	EA	2	2	4		1	alignment review meeting
Network Control Review	EA	0	0	0		0	
Vertical Control Review	EA	0	0	0		0	
Local Governments (cities, counties)	EA	0	0	0		0	
Final Submittal Review	EA	0	0	0		0	
Other Meetings	EA	4	2	8		0	misc. meetings
<b>Subtotal Technical Meetings</b>				<b>12</b>	<b>Subtotal PM Meetings</b>	<b>1</b>	
Progress Meetings (if required by FDOT)	EA	0	0	0	**	--	
Phase Review Meetings	EA	0	0	0	**	--	
<b>Total Meetings</b>				<b>12</b>	<b>Total PM Mtgs (carries to Tab 3)</b>	<b>1</b>	

Carries to 27.34

Carries to Tab 3

\*\* Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3

**29. Mapping-DRMP**

Estimator:

W Matanzas Woods Parkway Extension

TBD

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>Master CADD File</b>							
29.1	Alignment	Mile	0	0		0	
29.2	Section and 1/4 Section Lines	Section	0	0		0	
29.3	Subdivisions / Property Lines	EA	0	0		0	
29.4	Existing R/W	Mile	0	0		0	
29.5	Topography	Mile	0	0		0	
29.6	Parent Tract Properties/Existing Easements	Parcel	0	0		0	
29.7	Proposed R/W Requirements	Parcel	0	0		0	
29.8	Limits of Construction	Mile	0	0		0	
29.9	Jurisdictional/Agency Lines	Linear Mile	0	0		0	
<b>Sheet Files</b>							
29.10	Control Survey Cover Sheet	Sheet	0	0		0	
29.11	Control Survey Key Sheet	Sheet	0	0		0	
29.12	Control Survey Detail Sheet	Sheet	0	0		0	
29.13	R/W Map Cover Sheet	Sheet	1	12		12	Prepare Cover Sheet for RW Mapping effort of new project corridor
29.14	R/W Map Key Sheet	Sheet	1	20		20	Prepare Key Sheet for RW Mapping effort of new project corridor, Scale 1"=400'
29.15	R/W Map Detail Sheet	Sheet	3	20		60	Prepare (3) Detail Sheets for RW Mapping effort of new project corridor, Scale 1"=40'
29.16	Maintenance Map Cover Sheet	Sheet	0	0		0	
29.17	Maintenance Map Key Sheet	Sheet	0	0		0	
29.18	Maintenance Map Detail Sheet	Sheet	0	0		0	
29.19	Reference Point Sheet	Sheet	0	0		0	
29.20	Project Control Sheet	Sheet	0	0		0	
29.21	Table of Ownerships Sheet	Sheet	0	0		0	

**29. Mapping-DRMP**

Task No.	Task	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
<b>Miscellaneous</b>							
29.22	Parcel Sketches	Parcel	1	12		12	Prepare a sketch of description for one parcel take on the west side of FCE Railroad.
29.23	TIITF Sketches	Parcel	0	0		0	
29.24	Other Specific Purpose Survey Map	EA	0	0		0	
29.25	Boundary Survey(s) Map	EA	0	0		0	
29.26	R/W Monumentation Map	Sheet	0	0		0	
29.27	Title Search Map	LS	1	0		0	
29.28	Title Search Report	LS	1	0		0	
29.29	Legal Descriptions	Parcel	1	3		3	Prepare a legal description for one parcel take on the west side of FCE Railroad.
29.30	Final Maps/Plans Comparison	Sheet	0	0		0	
<b>Mapping Technical Subtotal</b>					<b>0</b>	<b>107</b>	
29.31	Field Reviews	EA	1	0		0	
29.32	Technical Meetings	LS	1	4		4	
29.33	Quality Assurance/Quality Control	EA	%	5%		5	
29.34	Supervision	EA	%	5%		5	
<b>Mapping Nontechnical Subtotal</b>						<b>14</b>	
29.35	Coordination	LS	%	5%		6	
29.36	Supplemental Mapping	LA	%	0%		0	
<b>29. Mapping Total</b>					<b>0</b>	<b>127</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Comments	Number of Required PM Meetings?
Kickoff meeting	EA	0	0	0			0
Control map review	EA	0	0	0			0
45/60/90/final map review	EA	0	0	0			0
Other meetings	EA	2	2	4			0
<b>Subtotal Technical Meetings</b>				<b>4</b>		<b>Subtotal Project Manager Meetings</b>	<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0		PM attendance at Progress Meetings is manually entered on General Task 3	--
Phase Review Meetings	EA	0	0	0		PM attendance at Phase Review Meetings is manually entered on General Task 3	--
<b>Total Meetings</b>				<b>4</b>		<b>Total Project Manager Meetings (carries to Tab 3)</b>	<b>0</b>

Carries to 29.32

Carries to Tab 3



**35. Geotechnical-Ardaman**

Estimator:

West Mastanzas Woods Parkway

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

*NOTE: Signature Block is optional, per District preference*

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
	<b>Roadway</b>					
35.1	Document Collection and Review	LS	1	4	4	
35.2	Develop Detailed Boring Location Plan	LS	1	4	4	
35.3	Stake Borings/Utility Clearance	Boring	87	0.3	26	Roadway - 54 auger @ 5', 14 auger @ 20'; Ponds - 12 auger @ 20'; Depression - 1 SPT @ 150'; Embankment - 2 SPT @ 50', 2 SPT @ 35', 2 SPT @ 20' Total = 1,150'
35.4	Muck Probing	Crew Day	2	22	44	Assumes 2-man crew for 2 days
35.5	Coordinate and Develop MOT Plans for Field Investigation	EA	0	0	0	
35.6	Drilling Access Permits	Location	0	0	0	
35.7	Property Clearances	EA	0	0	0	
35.8	Groundwater Monitoring	EA	0	0	0	
35.9	LBR/Resilient Modulus Sampling	EA	5	4	20	
35.10	Coordination of Field Work	100 lf of boring	11.5	1	12	Roadway - 54 auger @ 5', 14 auger @ 20'; Ponds - 12 auger @ 20'; Depression - 1 SPT @ 150'; Embankment - 2 SPT @ 50', 2 SPT @ 35', 2 SPT @ 20' Total = 1,150'
35.11	Soil and Rock Classification - Roadway	100 lf of boring	11.5	2	23	Roadway - 54 auger @ 5', 14 auger @ 20'; Ponds - 12 auger @ 20'; Depression - 1 SPT @ 150'; Embankment - 2 SPT @ 50', 2 SPT @ 35', 2 SPT @ 20' Total = 1,150'
35.12	Design LBR	LS	1	6	6	
35.13	Laboratory Data	100 lf of boring	11.5	0.5	6	Roadway - 54 auger @ 5', 14 auger @ 20'; Ponds - 12 auger @ 20'; Depression - 1 SPT @ 150'; Embankment - 2 SPT @ 50', 2 SPT @ 35', 2 SPT @ 20' Total = 1,150'
35.14	Seasonal High Water Table	Boring	87	0.1	9	Roadway - 54 auger @ 5', 14 auger @ 20'; Ponds - 12 auger @ 20'; Depression - 1 SPT @ 150'; Embankment - 2 SPT @ 50', 2 SPT @ 35', 2 SPT @ 20' Total = 1,150'
35.15	Parameters for Water Retention Areas	EA	2	1	2	Assumes 2 ponds
35.16	Delineate Limits of Unsuitable Material	Cross-section	20	1	20	
35.17	Electronic Files for Cross-Sections	100 lf of boring	11.5	1	12	Roadway - 54 auger @ 5', 14 auger @ 20'; Ponds - 12 auger @ 20'; Depression - 1 SPT @ 150'; Embankment - 2 SPT @ 50', 2 SPT @ 35', 2 SPT @ 20' Total = 1,150'
35.18	Embankment Settlement and Stability	Embankment Boring	6	2	12	
35.19	Monitor Existing Structures	LS	0	0	0	
35.20	Stormwater Volume Recovery and/or Background Seepage Analysis	EA	0	0	0	

**35. Geotechnical-Ardaman**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
35.21	Geotechnical Recommendations	LS	1	12	12	Circular depressional area
35.22	Pavement Condition Survey and Pavement Evaluation Report	LS	0	0	0	
35.23	Preliminary Roadway Report	LS	1	12	12	
35.24	Final Report	EA	1	10	10	
35.25	Auger Boring Drafting	100 lf boring	7.9	4	32	Roadway - 54 auger @ 5', 14 auger @ 20'; Ponds - 12 auger @ 20'; Total = 790'
35.26	SPT Boring Drafting	100 lf boring	3.6	5	18	Depression - 1 SPT @ 150'; Embankment - 2 SPT @ 50', 2 SPT @ 35', 2 SPT @ 20' Total = 360'
<b>Roadway Geotechnical Subtotal</b>					<b>284</b>	
<b>Structures</b>						
35.27	Develop Detailed Boring Location Plan	LS	1	4	4	
35.28	Stake Borings/Utility Clearance	Boring	12	0.75	9	Bridge - 4 SPT @ 125'; MAS - 8 SPT @ 30' Total = 740'
35.29	Coordinate and Develop MOT Plans for Field Investigation	EA	0	0	0	
35.30	Drilling Access Permits	Location	0	0	0	
35.31	Property Clearances	EA	0	0	0	
35.32	Collection of Corrosion Samples	EA	0	0	0	
35.33	Coordination of Field Work	100 lf of boring	7.4	1	7	Bridge - 4 SPT @ 125'; MAS - 8 SPT @ 30' Total = 740'
35.34	Soil and Rock Classification - Structures	100 lf of boring	7.4	2	15	Bridge - 4 SPT @ 125'; MAS - 8 SPT @ 30' Total = 740'
35.35	Tabulation of Laboratory Data	100 lf of boring	7.4	0.5	4	Bridge - 4 SPT @ 125'; MAS - 8 SPT @ 30' Total = 740'
35.36	Estimate Design Groundwater Level for Structures	EA	3	1	3	1 @ bridge; 2 @ signalized intersections
35.37	Selection of Foundation Alternatives (BDR)	Bridge boring	4	4	16	
35.38	Detailed Analysis of Selected Foundation Alternate(s)	Bridge boring	4	6	24	See Basis for reducing by 35.35
35.39	Bridge Construction and Testing Recommendations	Bridge boring	4	1	4	
35.40	Lateral Load Analysis (Optional)	Bridge boring	0	0	0	
35.41	Walls	Wall Boring	0	0	0	
35.42	Sheet Pile Wall Analysis (Optional)	Wall Boring	0	0	0	
35.43	Design Soil Parameters for Signs, Signals, High Mast Lights, and Strain Poles and Geotechnical Recommendations	Boring	8	1	8	MAS - 8 SPT @ 30' Total = 740'
35.44	Box Culvert Analysis	EA	0	0	0	

**35. Geotechnical-Ardaman**

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
35.45	Preliminary Report - BDR	EA	1	18	18	
35.46	Final Report - Bridge and Associated Walls	EA	1	20	20	
35.47	Final Reports - Signs, Signals, Box Culvert, Walls and High Mast Lights	EA	1	6	6	
35.48	SPT Boring Drafting	100 lf of boring	7.4	5	37	Bridge - 4 SPT @ 125'; MAS - 8 SPT @ 30' Total = 740'
35.49	Other Geotechnical	LS	0	0	0	
<b>Structural Geotechnical Subtotal</b>					<b>175</b>	
<b>Geotechnical Technical Subtotal</b>					<b>459</b>	
35.50	Technical Special Provisions and Modified Special Provisions	EA	0	0	0	
35.51	Field Reviews	LS	1	12	12	
35.52	Technical Meetings	LS	1	4	4	Meetings listed below
35.53	Quality Assurance/Quality Control	LS	%	5%	23	
35.54	Supervision	LS	%	5%	23	
<b>Geotechnical Nontechnical Subtotal</b>					<b>62</b>	
35.55	Coordination	LS	%	3%	16	
<b>35. Geotechnical Total</b>					<b>537</b>	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff Meeting with FDOT	EA	1	1	1			0
Boring Layout Approval	EA	0	0	0			0
Attend in BDR Review Meeting	EA	0	0	0			0
30/60/90% Submittal Review	EA	0	0	0			0
Other Meetings	EA	3	1	3			0
<b>Subtotal Technical Meetings</b>				<b>4</b>			<b>0</b>
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
<b>Total Meetings</b>				<b>4</b>	<b>Total Project Manager Meetings (carries to Tab 3)</b>		<b>0</b>

Carries to 35.52

Carries to Tab 3

ATTACHMENT "A"  
SCOPE OF SERVICES

Contract Number: RFSQ-SWE-22-23

Description: West Matanzas Woods Parkway Extension  
City of Palm Coast  
Flagler County

I. Intent

West Matanzas Woods Parkway will be extended from its current terminus west of US 1 westward over the FEC railroad and terminate at grade west of the railroad tracks. The extension will be a 4-lane urban divided facility with two lanes in each direction, curb and gutter with a closed drainage system, a raised median, a utility strip behind the back of curb and a concrete sidewalk or multi-use path on both sides of the road. The improvements are located within the City of Palm Coast city limits as well as within Flagler County. The plans will be separated into three segments.

II. Survey and Mapping

Design Survey: The consultant shall Collect 3D topographic features along project alignment west of the FEC Railroad (limits will be to 750 feet west and be a strip of land about 500 feet width to allow for the movement of the proposed alignment to its best location. Topo along the FEC Railroad corridor for 1,000 feet north and 1,000 feet south of the proposed bridge for the width of the railroad right of way, 150 feet. Most of the topo east of the FEC corridor has been surveyed under or current project for the COPC Public Works Facility but we will need to extend our survey 500 feet east to reach the US-1 corridor and capture the round-about intersection for the design of the COPC proposed water, sewer and reclaimed water facilities. Tech Time will be needed to convert the current survey from AutoCAD to Micro Station SS10. Survey will include a 2 acres pond site on the west side of the FEC railroad.

SUE: The Consultant shall perform designates and locates for existing underground utilities to support extension of COPC water, sewer and reclaimed waster facilities from US-1 through the project corridor and for clearances near the proposed bridge.

RW Mapping: Prepare a sketch of description and a legal description for one parcel take on the west side of FEC Railroad. Prepare Cover Sheet one (1) Key Sheet at 1 inch = 400 feet and three (3) Detail Sheets at 1 inch = 40 feet for RW Mapping effort of new project corridor. Limits of mapping begin near the existing Roundabout at the east end of the project and extend west to the terminus of the new road corridor, about 500 feet west of the FEC Railroad right of way.

III. Preliminary Conceptual Layout

The CONSULTANT shall develop preliminary concepts of the horizontal alignment (2) and intersections (2).

IV. Pavement Design

The CONSULTANT shall develop a pavement design (including ESAL calculations) in accordance with the Flexible Pavement Design Manual.

V. Drainage Analysis

Primary Drainage System: The consultant shall design and documentation for 2 new stormwater treatment facilities (SMF) to serve the east and west sides of the FEC railroad. The SMF on the east

side will be designed to accommodate the needs of the Public Work facility. Coordination will be required with the designers of the Public Works Facility to address the project needs. The consultant shall provide modification plans for impacts to the Sawmill Development pond and any impacts to the COPC pond east of the existing roundabout serving the existing section of W. Matanzas Woods Parkway.

Secondary Drainage System: The consultant shall design closed drainage collection systems to serve the proposed 4-lane urban typical section and convey stormwater to the proposed SMF's. The consultant shall design off-site conveyance systems to maintain existing drainage patterns impacted by the proposed construction (ditches and cross drains).

VI. Lighting Analysis

The consultant shall prepare a lighting design for the project corridor (to be constructed in 3 phases) in accordance with FDOT standards. Included deliverables include a lighting justification report, pedestrian lighting at 2 intersections and coordination with FPL as the power service provider.

VII. Plan Assembly

Prepare the plan assembly in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums, along with any special instructions given by the CITY's project manager.

a. Roadway

The CONSULTANT shall prepare roadway, drainage, traffic control, utility adjustment sheets, plan sheets, notes, and details. The plans shall include the following sheets necessary to convey the intent and scope of the project for the purposes of construction.

The plans shall include:

- A. Key Sheet
- B. Typical Section
- C. Typical Section Details
- D. Project Control
- E. General Notes
- F. Plan Sheets (1" = 50')
- G. Profile Sheets (1" = 50')
- H. Back-of-Sidewalk Profile Sheets
- I. Intersection Layout Details
- J. Drainage Structures
- K. Cross Section Pattern Sheet
- L. Roadway Soil Survey
- M. Cross Sections
- N. Temporary Traffic Control Plan
- O. Utility Adjustment Sheets
- P. Utility Verification Sheets

b. Signing and Pavement Marking

Prepare the plan assembly in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums with the FDOT

Design Manual (FDM) and Manual on Uniform Traffic Control Devices (MUTCD) for all required signing and markings related to the improvements.

The plans shall include:

- A. Key Sheet
- B. General Notes
- C. Plan Sheets (1" =50')

c. Lighting

Prepare the plan assembly in accordance with the FDOT Design Manual (FDM) for all lighting related to the improvements.

The plans shall include:

- A. Key Sheet
- B. General Notes
- C. Pole Data and Legend
- D. Lighting Plan Sheets (1"=50')
- E. Spread Footer Sheet (if applicable)

d. Temporary Traffic Control Plan (TTCP)

The CONSULTANT shall analyze and provide for Maintenance of Traffic during construction, including:

- A. TTCP General Notes.
- B. Reference Index for Traffic Control Plan(s) and display advance warning sign diagram.
- C. Phasing Notes (if applicable)

e. Structures

The CONSULTANT will design a single bridge to accommodate the ultimate 4 lane typical section that will consist of two spans. The first span will be over the 150 ft FEC Railway R/W and the second span will be over the 65 ft FPL easement. The superstructure will be precast prestressed Florida-I Beams with a cast-in-place concrete deck. End bents and a center pier founded on 24" square precast prestressed concrete piles will be designed for the substructure. No Bridge Development Report will be provided. MSE walls will be designed at the begin and end bridge locations. No temporary walls for muck removal are anticipated or included in the scope.

Specific design tasks include:

- Overall Bridge Geometry
- Expansion/Contraction Analysis
- End Bent Geometry
- Cheekwall design and geometry
- End Bent Structural Design
- Pier Geometry
- Pier Structural Design
- Bridge Deck Design
- Bridge Deck Reinforcing and Concrete Quantities
- Prestressed Beam Design
- Beam Stability Analysis



- Bearing Pad and Bearing Plate Design
- Permanent MSE Wall Geometry

The CONSULTANT will prepare Structures plan sheets, notes, and details. The plans shall include the following sheets necessary to convey the intent and scope of the project for the purposes of construction.

The plans shall include:

- A. Key Sheet and Index of Drawings
- B. General Notes Sheet
- C. Plan
- D. Elevation
- E. Report of Core Boring Sheets
- F. Foundation Layout
- G. Pile Data Table Sheet
- H. End Bent 1 Plan and Elevation
- I. End Bent 3 Plan and Elevation
- J. End Bent Details (1 OF 3)
- K. End Bent Details (2 OF 3)
- L. End Bent Details (3 OF 3)
- M. Pier 2 Plan and Elevation
- N. Pier 2 Details (1 OF 2)
- O. Pier 2 Details (2 OF 2)
- P. Finish Grade Elevations (1 OF 2)
- Q. Finish Grade Elevations (2 OF 2)
- R. Superstructure Plan (1 OF 2)
- S. Superstructure Plan (2 OF 2)
- T. Superstructure Section (1 OF 2)
- U. Superstructure Section (2 OF 2)
- V. Superstructure Details (1 OF 3)
- W. Superstructure Details (2 OF 3)
- X. Superstructure Details (3 OF 3)
- Y. Reinforcing Bar List (1 OF 2)
- Z. Reinforcing Bar List (1 OF 2)
- AA. Bridge Load Rating Summary Table
- BB. Wall General Notes
- CC. Wall Data Tables
- DD. Wall Control Drawings
- EE. Wall Details

## VIII. ENVIRONMENTAL PERMITS, Compliance and Clearances

Permits are anticipated to be required from the SJRWMD and FDEP.

Assume Mitigation Banking.

The CONSULTANT shall notify the CITY Project Manager, Environmental Permit Coordinator and other appropriate personnel in advance of all scheduled meetings with the regulatory agencies to allow a CITY representative to attend. The CONSULTANT shall copy in the Project Manager and the Environmental Permit Coordinator on all permit related correspondence and meetings. The consultant is responsible for the following tasks:

### a) Preliminary Project Research

The CONSULTANT shall perform preliminary project research and shall be responsible for early identification of and coordination with the appropriate regulatory agencies to assure that design efforts are properly directed toward permit requirements. This task includes coordination and research of two (2) existing permits within the project alignment that will be required to develop the overall permitting strategy as well as an additional adjacent permit.

### b) Establish Wetland Jurisdictional Lines and Assessments

The CONSULTANT shall collect all data and information necessary to determine the boundaries of wetlands and surface waters defined by the rules or regulations of each agency processing or reviewing a permit application necessary to construct a CITY project. The CONSULTANT shall be responsible for, but not limited to, the following activities:

- Determine landward extent of state waters as defined in Chapter 62-340 FAC as ratified in Section 373.4211 FS
- Determine the jurisdictional boundaries of wetlands and surface waters as defined by rules or regulations of any other permitting authority that is processing a CITY permit application.
- Prepare aerial maps showing the jurisdictional boundaries of wetlands and surface waters. Aerial maps shall be reproducible, of a scale no greater than 1"=200' and be recent photography. The maps shall show the jurisdictional limits of each agency. Xerox copies of aerials are not acceptable. All jurisdictional boundaries are to be tied to the project's baseline of survey. When necessary, a survey will be prepared by a registered surveyor and mapper.
- Acquire written verification of jurisdictional lines and seasonal high water (SHW) elevations of associated wetlands from the appropriate environmental agencies.
- Prepare a written assessment of the current condition and relative value of the function being performed by wetlands and surface waters. Prepare data in tabular form which includes the ID number for each wetland impacted, size of wetland to be impacted, type of impact and identify any wetland within the project limits that will not be impacted by the project. Prepare appropriate Agency Forms.

### c) Agency Verification of Wetland Data

The CONSULTANT shall be responsible for verification of wetland data identified in Section 8.3 and coordinating regulatory agency field reviews, including finalization of wetland assessments with applicable agencies.

### d) Complete and Submit All Required Permit Applications

The CONSULTANT shall prepare permit packages as identified in the Project Description section.

The CONSULTANT shall collect all of the data and information necessary to obtain the environmental permits required to construct a project.

The CONSULTANT shall prepare each permit application for CITY approval in accordance with the rules and/or regulations of the environmental agency responsible for issuing a specific permit and/or authorization to perform work.

The CONSULTANT will submit all permit applications, as directed by the CITY, and the CITY will be responsible for payment of all permit fees.

e) Prepare Dredge and Fill Sketches per Agency Criteria

The CONSULTANT shall prepare Dredge and Fill Sketches in accordance with Agency Criteria.

f) Mitigation Coordination and Meetings

The CONSULTANT shall coordinate with CITY personnel prior to approaching any environmental permitting or reviewing agencies. Once a mitigation plan has been reviewed and approved by the CITY, the CONSULTANT will be responsible for coordinating the proposed mitigation plan with the environmental agencies.

g) Environmental Clearances

The CONSULTANT shall conduct a general wildlife survey and species-specific gopher tortoise survey for the right-of-way and proposed new pond site locations.

IX. Geotechnical Investigations

The consultant shall perform subsurface soil exploration and geotechnical engineering to support the roadway, drainage and structural elements for the proposed project. Specific scope items include:

- a) Roadway borings and establishment of seasonal high water table for approximately 3000 LF or new 4-lane roadway (Mainline) and approximately 800 LF of side streets.
- b) Pond borings for approximately 6 acres of new wet retentions ponds (East and west of FEC railroad).
- c) Borings for mast arm signals at 2 intersections.
- d) Borings for 4-lane bridge over railroad tracks.
- e) Borings for 800 LF of high fill embankment to support grade changes at the bridge.
- f) Boring for depressional area observed on west side of railroad tracks.

X. Utility Coordination

The CONSULTANT shall identify utility facilities and secure agreements, utility work schedules, and plans from the Utility Agency Owners (UAO) ensuring all conflicts that exist between utility facilities and the CITY's construction project are addressed. The CONSULTANT shall certify all utility negotiations have been completed and that arrangements have been made for utility work to be undertaken.

a. Utility Kickoff Meeting

Before any contact with the UAO(s), the CONSULTANT shall meet with the District Utility Office (DUO) to receive guidance, as may be required, to assure that all necessary coordination will be accomplished in accordance with CITY procedures. CONSULTANT shall bring a copy of the design project work schedule reflecting utility activities.

b. Identify Existing Utility Agency Owner(s)

The Consultant shall identify all utilities within and adjacent to the project limits that may be impacted by the project.

c. Make Utility Contacts

*First Contact (Green Lines): The CONSULTANT shall prepare and transmit an initial statutory contact package to all utility companies/agencies that may have existing facilities within the project limits. This package shall include two sets of plans (hard copy, disk or electronic files) with the statutory letter. An established time frame should be allowed for the utility companies to respond back with marked plans showing the type, size and location of existing facilities, or written confirmation that they have no facilities in the project area, copies of "as built" plans, claims for reimbursement;*

*Second Contact (Revised Phase II): The CONSULTANT shall transmit the second Statutory contact letter with the necessary agreements, and documents to each utility company/agency as required. Two complete sets of plans (hard copy, disk or electronic files) and a Conflict Matrix (if necessary) shall be furnished to each involved utility company/agency. One plan set will be color coded by the utility company showing proposed relocation and returned to the CONSULTANT with the utility work schedules and agreements as appropriate to be transmitted to the DUA or designee.*

*Third Contact (Revised Phase III): The CONSULTANT shall transmit the third Statutory contact letter to each utility company/agency as required. Two complete sets of plans (hard copy, disk or electronic files), a Conflict Matrix and List of Plan Changes shall be furnished to each involved utility company/agency. Revised plans will be marked by the utility company and returned to the CONSULTANT with revised utility work schedules to be transmitted to the District Utility Administrator or designee.*

*Final Contact (Phase IV): Send one set of Phase IV plans (hard copy, disk or electronic files) to each of the involved UAO(s).*

f. Individual/Field Meetings

The CONSULTANT shall meet with each UAO as necessary, separately or together, throughout the project design duration to provide guidance in the interpretation of plans, review changes to the plans and schedules, standard or selective clearing and grubbing work, and assist in the development of the UAO(s) plans and work schedules. The CONSULTANT is responsible for motivating the UAO to complete and return the necessary documents after each Utility Contact or Meeting.

g. Collect and Review Plans and Data from UAO(s)

The CONSULTANT shall review utility marked plans and data individually as they are received for content. Ensure information from the UAO (utility type, material and size) is sent to the designer for inclusion in the plans. Forward all requests for utility reimbursement and supporting documentation to the DUO.

i. Utility Design Meeting at 60%

The CONSULTANT shall schedule (time and place), notify participants, and conduct a Utility meeting with all affected UAO(s). The CONSULTANT shall be prepared to discuss impacts to existing trees/vegetation and proposed landscape, drainage, traffic signalization, temporary traffic control plans (TTCP) (construction phasing), review the current design schedule and letting date, evaluate the utility information collected, provide follow-up information on compensable property rights from FDOT Legal Office, discuss with each UAO the utility work by highway contractor option, discuss any future design issues that may impact utilities, etc., to the extent that they may have an effect on existing or proposed utility facilities with particular emphasis on drainage and TTCP with each UAO. The intent of this meeting shall be to assist the UAOs in identifying and resolving conflicts between utilities and proposed

construction before completion of the plans, including utility adjustment details. Also, to work with the UAOs to recommend potential resolution between known utility conflicts with proposed construction plans as may be deemed practical by the UAO. The CONSULTANT shall keep accurate minutes of all meetings and distribute a copy to all attendees within 3 days. See Task 4.5 (Horizontal/Vertical Master Design File) and Task 4.9 (Cross Section Design Files) for utility conflict location identification and adjustments.

j. Review Utility Markups & Work Schedules and Processing of Schedules & Agreements

The CONSULTANT shall review utility marked up plans and work schedules as they are received for content and coordinate review with the designer. Send color markups and schedules to the appropriate CITY office(s) such as survey, geotechnical, drainage, structures, lighting, roadway, signals, utilities, landscape architecture, municipalities, maintaining agency, and District Traffic Operations for review and comment if required by the District. Coordinate with the District for execution. Distribute Executed Final Documents. Prepare Work Order for UAO(s). The CONSULTANT shall coordinate with the DUO the programming of necessary Work Program funds.

k. Utility Coordination/Follow-up

The CONSULTANT shall provide utility coordination and follow up. This includes follow-up, interpreting plans, and assisting the UAOs with completion of their work schedules and agreements. Includes phone calls, face-to-face meetings, etc., to motivate and ensure the UAO(s) complete and return the required documents in accordance with the project schedule. Ensure the resolution of all known conflicts. The CONSULTANT shall keep accurate minutes of all meetings and distribute a copy to all attendees. This task can be applied to all phases of the project.

l. Utility Constructability Review

The CONSULTANT shall review utility schedules against construction contract time, and phasing for compatibility. Coordinate with and obtain written concurrence from the construction office. See Task 4.5 (Horizontal/Vertical Master Design File) and Task 4.9 (Cross Section Design Files) for utility conflict identification and adjustments.

o. Contract Plans to UAO(s)

If requested by the District, the CONSULTANT shall transmit the contract plans as processed for letting to the UAO(s). Transmittals to UAO(s) may be by certified mail, return receipt requested.

p. Certification/Close-Out

This includes hours for transmitting utility files to the DUO and preparation of the Utility Certification Letter. The CONSULTANT shall certify to the appropriate CITY representative the following:

All utility negotiations (Full execution of each agreement, approved Utility Work Schedules, Technical Special Provisions or Modified Special Provisions written, etc.) have been completed with arrangements made for utility work to be undertaken and completed as required for proper coordination with the physical construction schedule.

q. Other Utilities

The CONSULTANT shall provide other utility services. This includes all efforts for a utility task not covered by an existing defined task. Required work will be defined in the scope and negotiated on a case-by-case basis.

XI. Utility Design

The consultant shall provide utility design and plans development for a new City of Palm Coast potable water main, a sanitary sewer force main, and a re-use water main along the corridor to serve future development on the west side of the FEC railroad. The consultant will also coordinate with FDEP for utility permitting. The design and plans shall be completed in a manner to address the 3 phased construction of the corridor. The consultant shall coordinate with the City of Palm Coast Utility Department for pipe sizes. Pipe size determination will ultimately be made by the City. It is assumed that the three utility lines will cross the FEC railroad by bore and jack.

XII. Public Involvement

The consultant shall coordinate with the City to facilitate one public meeting for the purpose of addressing the new railroad crossing and possible closure of an existing at-grade crossing as required by Florida statutes.

XIII. Landscaping and Irrigation

The consultant shall provide analysis and plans for landscaping the corridor based on City of Palm Coast's ultimate vision. One overall landscaping concept will be developed for the length of the project. Landscaping plans will be developed matching the phased construction (3 phases) effort. Plans will be provided for review with the roadway construction plans submittals (preliminary at 60%, final landscaping plans at 90%, completed at 100%). Irrigation design and plans will be provided at each phase to be expandable to the remaining construction effort.

XIV. Contract Specifications

The CONSULTANT shall provide a complete specifications package for all items of work, including any applicable Technical Special Specifications (TSP) and/or Modified Special Provisions (MSP).



XV. Optional Services

- a. No. 1 – Intersection Design (Optional Services)
  - i. No. 1A – Roundabout Option: \$16,305.00
    - A. Roadway:
      - a. The consultant shall provide final design and plans details for construction of a roundabout if preliminary design efforts support the intersection design.
  - ii. No. 2A – Signalized Intersection Option: \$63,185.00
    - A. Signalization:
      - a. The CONSULTANT shall be responsible for designing the signal heads, pedestrian signals and the static signs with internally illuminated signs which will be mounted on the upright at 2 intersections. Queue lengths for the turn lanes will be provided by the CITY.  
The plans shall include:
        - i. Key Sheet
        - ii. General Notes
        - iii. Plan Sheet (1" = 40')
        - iv. Guide Sign Worksheet
    - B. Structural:
      - a. The CONSULTANT shall provide structural design and plans for mast arms at 2 intersections.
- b. No. 2 – Conservation Easement Permit Applications Optional Services: \$9,386.37
  - i. The CONSULTANT provide support/coordination for ongoing efforts (by others) to coordination with the SJRWMD to remove and provide an appropriate mitigation plan for the removal of the existing Sawmill Branch Conservation Easement as part of the Environmental Resource Permitting process. The City will be responsible for all mitigation costs associated with the release of this easement.
- c. No. 3 – Floodplain Impacts Optional Services: \$8,510.00
  - i. The consultant shall modify the floodplain modeling completed in the area for the Public Works Facility, as required due to the roadway design. This will include updating the current modeling based on your surveys, and then modifying to include proposed roadway, ponds, etc., to ensure no adverse impacts on or off-site. A request to FEMA for Letter of Map Change is not anticipated. Floodplain compensation will be included in the Public Works Facility pond design.
- d. No. 4 – Structural Optional Services for Attaching Utilities to Bridge Deck: \$10,727.68
  - i. The CONSULTANT shall provide structural design and plan details for attaching utilities to hang from the deck between beams. This service is required if the bridge deck design effort has already started and must be redone when the utilities are added. The original fee covers the attachments if determined prior to design efforts.

- e. Optional Services Summary:
  - i. Total Optional Services (including Option 1A Roundabout): \$44,929.05
  - ii. Total Optional Services (including Option 1B Signalized Inter.): \$91,809.05
  
- f. Total Maximum Design Fee
  - i. With Option 1A Roundabout: **\$1,713,801.77**
  - ii. With Option 1B Signalized Intersection: **\$1,760,681.77**

XVI. Phase Reviews/Submittals (for 3 construction phases based on funding)

Anticipated design Submittals include:

- a. Preliminary Concept layout (alternative alignments)
- b. Pavement Design Package
- c. Phase II Plans
- d. Phase III Plans
- e. Phase IV Plans
- f. Specs
- g. Mail

XVII. Post-Design Services

Post-design construction assistance services will be handled under a separate task work order effective after the preconstruction meeting.

## City of Palm Coast, Florida Agenda Item

Agenda Date : March 8, 2022

<b>Department</b>	CONSTRUCTION MANAGEMENT & ENGINEERING	<b>Amount</b>
<b>Item Key</b>	13201	<b>Account #</b>
<b>Subject</b>	RESOLUTION 2022-XX APPROVING A WORK ORDER WITH ENGLAND-THIMS & MILLER, INC., FOR ENGINEERING SERVICES FOR WHITEVIEW PARKWAY FINAL DESIGN	
<b>Presenter : Mike Grunewald, Traffic Engineer</b>		
<p><b>Background :</b>  <b>COUNCIL PRIORITY:</b>  <b>This item is for standard operations.</b></p> <p>One of City Council objectives is to continue to enhance safety improvements at intersections and along roadways. The Whiteview Parkway Corridor Safety improvement is designed to improve safety for both motorists and non-motorists, as well as improve traffic operations along the entire corridor. Reported in the River to Sea TPO's 2017 Crash Analysis, the segment within the corridor, between Wood Aspen Ln. and Rolling Sands Dr., was ranked in the top 10 for crash severity. The proposed project will improve safety along this segment by addressing the turning movement conflicts created by the proximity of three intersections along the corridor (Rolling Sands Dr., Wood Aspen Dr., and Woodbury Dr.). The proposed design will provide access movement improvements that eliminates turning conflict by an access management plan to eliminate certain turning movements along this stretch of the White View Pkwy Corridor. In addition to the access management improvements described above, the proposed project will add either right or left--turn lanes as recommended by the completed corridor study. These improvements are intended to reduce the number of rear end collisions as well as improve traffic flow. These improvements are consistent with addressing the findings of the 2012 Florida Strategic Highway Safety Plan which identifies Intersection Crashes as an Emphasis Area. Finally, the project proposes the addition of street lighting along the entire corridor, as well as the extension of the multi-purpose path system that currently ends at White Mill to be extended to the west to provide a connection to Rolling Sands and Wood Ash Lane. The lighting provides an additional safety benefit by improving visibility along the corridor for both motorists and bicyclists, while the multi-purpose path improves safety by creating a dedicated separate facility for bicyclists and pedestrian users of the corridor.</p> <ul style="list-style-type: none"> <li>• April 11, 2017, City Staff presented the project to City Council.</li> <li>• January 31, 2018, a neighborhood meeting was held.</li> <li>• May, 24 2018 and June 28, 2018, staff presented the project concept and discussed the project with the Beautification and Environmental Advisory Committee.</li> <li>• August 7, 2018 City Council Approved a Work Order with England-Thims &amp; Miller Inc. (ETM) to complete the design of the project.</li> </ul>		

The City submitted an application to FDOT/TPO to seek funding for the construction of the improvements. It is currently ranked #4 on the TPO List of Prioritized Traffic Operations, Safety, and Local Initiatives Projects. City staff has had numerous discussions regarding this project for potential upcoming funding opportunities.

The previously completed design plans for Whiteview Parkway included: reducing the existing 4-lane roadway down to 2-lanes (road diet), an extension of the multi-use path from Whitemill Drive to US-1, intersection improvements, and drainage improvements associated with the roadway and path construction. Due to feedback received, ongoing development will occur along and adjacent to the corridor, as well as the potential extension of Whiteview Parkway to the west to accommodate future development to the west of the railroad tracks. It has been determined that the design should be updated to seek a modified design not reducing the existing roadway down from 4-lanes to 2-lanes. The City negotiated and obtained a scope and fee proposed with ETM to provide services that consists of a preliminary engineering analysis to determine the feasibility of constructing the multi-use path without reducing the existing roadway down to two lanes. Services will include preliminary roadway and path design, preliminary drainage design, coordination with COPC and St. John's River Water Management District (SJRWMD) staff, and preparation of plans to the 15% design level. Upon completion of the preliminary engineering analysis a determination will be made as to whether it is feasible to proceed with the final design, permitting and final plans preparation. If determined to be feasible, then ETM will then proceed with engineering services to provide a final design for construction of the improvements without reducing the existing roadway down to two lanes.

On August 7, 2018, Council approved a work order with England-Thims & Miller for design services for the Whiteview Parkway Improvement Project. The originally completed design plans for Whiteview Parkway included: reducing the existing 4-lane roadway down to 2-lanes (road diet), an extension of the multi-use path from Whitemill Drive to US-1, intersection improvements, and drainage improvements associated with the roadway and path construction.

On September 7, 2021 and follow-up on October 12, 2021, City staff presented an overview of the project and current status as well as a scope of work that consisted of the completion of an engineering analysis to determine the feasibility of constructing the multi-use path without reducing the existing roadway down to two lanes.

On October 12, 2021, Council approved a work order with England-Thims & Miller for a feasibility study, in the amount of \$130,059. The results of that study indicated that construction of the revised project is feasible.

On February 15, 2022, A public meeting was held to present the feasibility study and to obtain citizen feedback on the proposed changes. The comments regarding the updated design were positive with indication that this option was preferred.

This item is to approve engineering services to provide final design plans, permitting and FDOT updates and services as required to prepare a set of construction documents for the improvements to Whiteview Parkway, without reducing the exiting roadway down to two lanes.

Under the existing contract (RFQ-CD-1970), staff negotiated a scope and fee not-to-exceed \$271,120.00 with England-Thims & Miller, Inc. City staff has determined that the cost for these services are reasonable and fair and are consistent with these types of services for a project of this size and scope. Funds for this project are budgeted in the Transportation Impact Fund.

**SOURCE OF FUNDS WORKSHEET FY 2022**

Transportation Impact Fee 21097011-063000-54420	\$	405,000.00
Total Expended/Encumbered to Date.....		130,059.00
Pending Work Orders/Contracts.....		0
Current (WO/Contract).....	\$	271,120.00
<b>Balance</b> .....	\$	<b>3,821.00</b>

**Recommended Action :**

**ADOPT RESOLUTION 2022-XX APPROVING A WORK ORDER WITH ENGLAND-THIMS & MILLER, INC., FOR ENGINEERING SERVICES FOR WHITEVIEW PARKWAY FINAL DESIGN**



# White View Parkway Corridor Improvements

City Council Meeting - Project Update  
March 8, 2022



# Project:

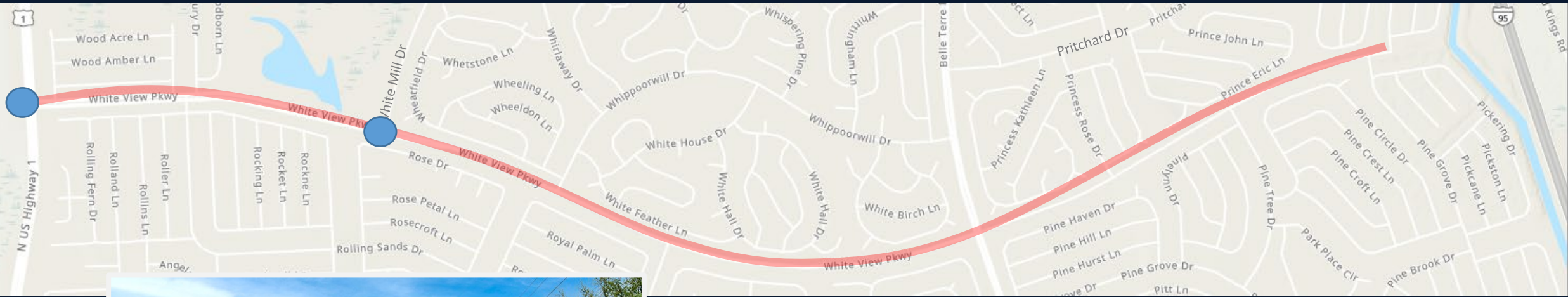
- Limits
- Objectives
- History
- Proposed Improvements
- Questions







# Project Limits

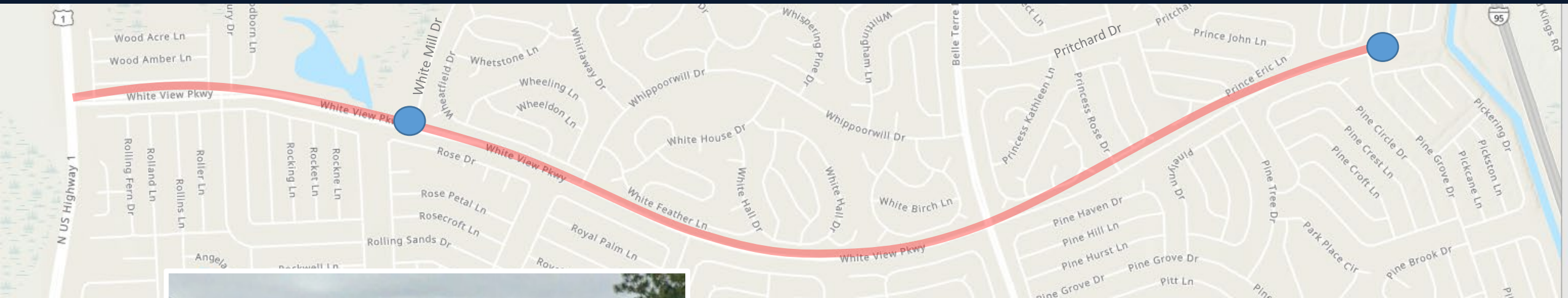


## US-1 to White Mill (Existing Conditions)

- Length = 0.85 Miles
- 120-foot Right of Way
- 4 lane Divided Roadway
- 11-foot travel lanes
- No paths or sidewalks



# Project Limits



## White Mill to Pritchard (Exist. Conditions)

- Length = 2.65 Miles
- 120-foot Right of Way
- Two 11-foot travel lanes
- 12-foot path on southside of roadway



# Project Objectives



Improve Vehicular Safety



Improve Pedestrian/Bike Safety



Other Enhancements





# Vehicular Safety

2017

Crash Analysis Report



One of the top 10 road segments for crash severity (Wood Aspen to Rolling Sands)



Add Left & Right Turn Lanes

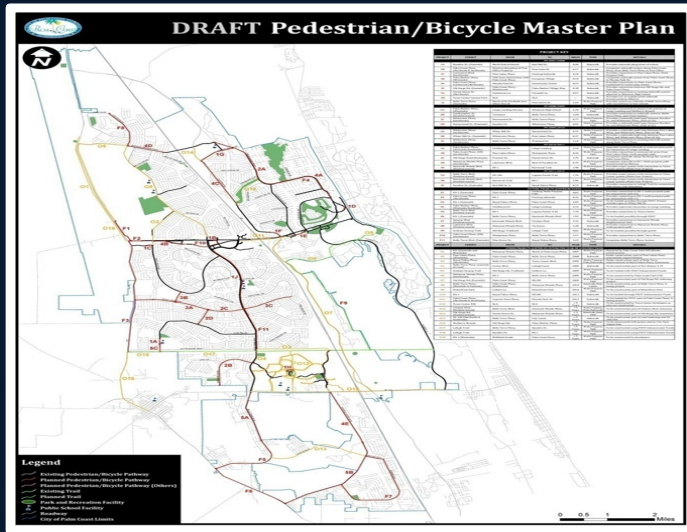


Intersection Improvements (Restrict Median Openings) & (Deter Woodbury Cut-Thru Traffic)





# Pedestrian / Bicyclist Safety



Part of City's Sidewalk Master Plan



Extend Existing Path from the White Mill Intersection to US-1



Provide a Path Connection to the Wood Ash Lane to Provide Neighborhood Access

# Other Enhancements



## Median Landscaping

- Improve Sight Distance
- Remove Trees with Roots Impacting Pavement
- Enhance Landscaping



## Signage

- Replace City Sign at US-1 per City Sign Master Plan



LED Street Light

## Street Lighting & Paving

- Add Lighting Along Entire Corridor
- Resurface Roadway



# History



Project Analysis



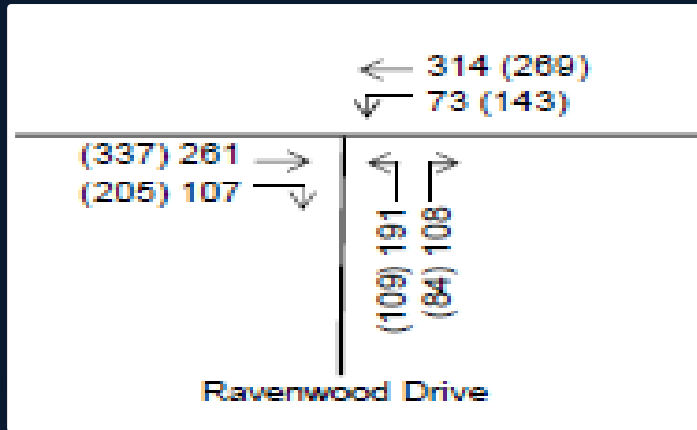
Public Participation



Project & Funding Status



# Project Analysis - 2017



## Traffic Volume

Existing: 3,600-7,000

Future: 5,300-10,200

4-Lane Capacity: 40,800

2-Lane Capacity: 24,500

Intersection	Intersection Type	2040			
		AM		PM	
		Delay	LOS	Delay	LOS
Whiteview Pkwy at US 1	Signal	21.0	C	14.1	B
Whiteview Pkwy at Wood Ash Ln	Stop	9.0/14.6	A/B	7.7/10.6	A/B
Whiteview Pkwy at Wood Aspen Ln	Stop	9.0/17.7	A/C	7.7/15.3	A/C
Whiteview Pkwy at Rolling Sands Dr	Stop	7.7/22.0	A/C	9.0/22.3	A/C
Whiteview Pkwy at Woodbury Dr	Stop	8.6/14.4	A/B	8.2/12.7	A/B
Whiteview Pkwy at Whitemill Dr	Stop	8.4/19.8	A/C	7.8/24.4	A/C
Whiteview Pkwy at Whippoorwill Dr	Stop	8.3/23.3	A/C	8.2/22.3	A/C
Whiteview Pkwy at Ravenwood Dr	Stop	8.0/27.7	A/D	8.4/29.8	A/D
Whiteview Pkwy at Belle Terre Pkwy	Signal	27.5	C	30.1	C
Whiteview Pkwy at Princess Rose Dr	Stop	7.9/11.0	A/B	7.8/10.5	A/B
Whiteview Pkwy at Pine Tree Dr	Stop	7.4/11.0	A/B	7.8/11.4	A/B

## Intersection Delays

All intersections operate at an acceptable LOS

Crash Type	2014	2015	2016	Total
Rear End	5	14	6	25
Left Turn	3	4	6	13
Angle	1	4	3	8
Pedestrian	1	0	0	1
Animal	0	2	0	2
Sideswipe	0	2	1	3
Other	2	3	3	8
<b>Total</b>	<b>12</b>	<b>29</b>	<b>19</b>	<b>60</b>

## Crashes

Significant Rear-End Crash History





# Project Analysis - 2017

## 2017 Technical Report Conclusion

- Road Diet Recommended:
  - Convert 4-Lane Section to 2-Lanes
  - Add Turn Lanes & Pedestrian Path
  - Add Turn Lanes to 2-Lane Section
- Accommodates traffic through 2040 except at the intersection of White View Parkway at Ravenwood Drive.
- The proposed recommendation is the most cost-effective solution to implement the safety improvements.



# Project Analysis - 2017



**Existing Conditions**



**Road Diet / Multi-Use Path**

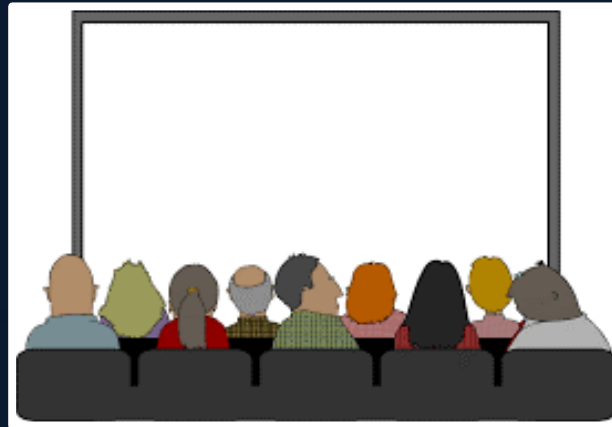




# Public Participation – 2017 / 2019



April 11, 2017  
Conceptual Plans  
Presented to City  
Council



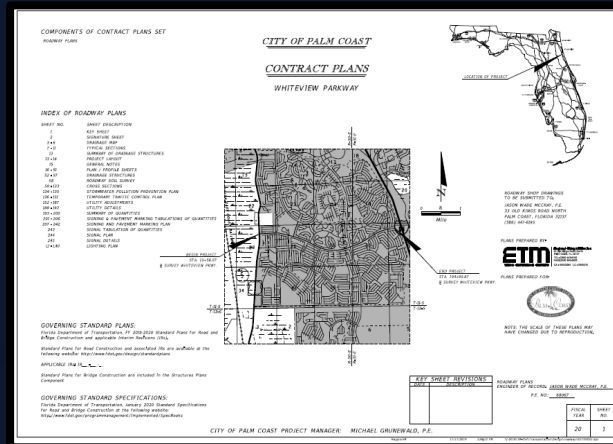
January 31, 2018  
Public Meeting



May 24, 2018 & June 28, 2018  
Concept Approved by the City's  
Beautification & Environmental  
Advisory Committee



# Public Timeline – 2018 / 2019



**August 7, 2018**

City Council approved Design Contract

**2019**

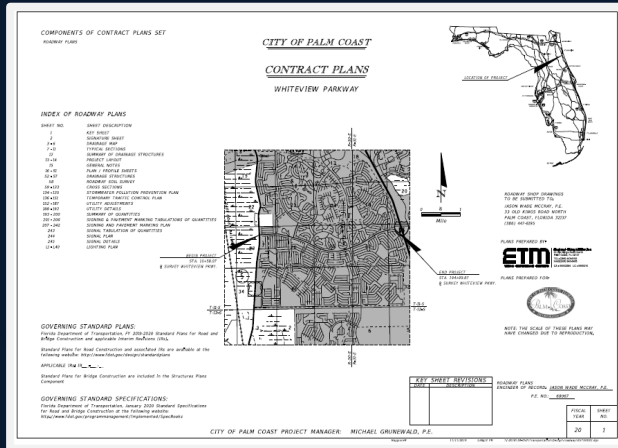
Design Completed (except landscaping)

**Spring 2019**

Project Submitted to TPO/FDOT for Construction Funding



# Public Timeline – 2021



**October 2021**  
City Council  
Presentation / Project  
Update

**November 2021**  
Feasibility Study /  
Preliminary Engineering  
Analysis Authorized



# Public Meeting Feb. 15, 2022

- Presentation of Project Objectives, History, and Proposed Improvements
- Presentation was Followed by a Question-and-Answer Session
- Comments from Residents:
  - Vehicles Exceeding Posted Speeds (Enforcement)
  - Inconsistency of Posted Speed Limits
  - Appreciated Reduction in Woodbury Drive Cut-Through Traffic
  - Asked for Eastbound Right Turn Lane at Pine Tree Drive
  - In Favor of Maintaining 4-Lane Roadway



# Project Funding Status

## River-to-Sea Transportation-Planning-Organization 2021 List of Priority Projects

River to Sea TPO List of Prioritized Traffic Operations, Safety, and Local Initiatives Projects

<i>Tier "B" - Projects Ready for Funding</i>											
Rank <sup>5</sup>	Project Name	Project Limits	Description	Project Sponsor	Performance Measure	Unfunded Phase(s)	Estimated Total Project Cost	Local Match	Year Submitted	Project Score	Comments
1	Beach Street - Complete Streets Retrofit	Orange Ave to Main/Fairview St	Complete Street	Daytona Beach	Safety, System Performance	PE - \$375,000 (LF) CST - \$7,440,000 CEI - \$744,000	\$8,559,000	10%	2018	60.63	
2	Dunlawton Ave/Clyde Morris Blvd Intersection Improvements	Dunlawton Ave at Clyde Morris Blvd	Intersection Improvements	Port Orange	System Performance	PE - \$111,448 CST - \$542,892 CEI - \$135,723	\$790,063	0%	2018	60.25	
3	Dunlawton Ave at City Center Pkwy/Victoria Gardens Blvd	Dunlawton Ave at City Center Pkwy/Victoria Gardens Blvd	Intersection Improvements (Add WB Right-Turn Lane on Dunlawton Ave)	Port Orange	System Performance	PE - \$85,270 CST - \$526,078 CEI - \$131,534	\$742,882	0%	2016	59.50	
4	White View Pkwy - Corridor Safety Improvements	US 1 to Pritchard Dr	Corridor improvements	Palm Coast	Safety, System Performance	CST - \$4,109,478 CEI - \$268,000	\$3,521,248	10%	2019	78.27	PE Complete - Locally Funded

Project is included in Tentative FDOT FY23 Budget

**449855-1 - WHITEVIEW PARKWAY FROM US 1 TO I-95**  
Type of Work: TRAFFIC OPS IMPROVEMENT

Phase	Funding Source	2023
Construction	Federal	\$1,620,152



# Proposed Improvements

## Summary

- Extend Multi-Use Path from White Mill Dr. to US-1
- Add Turn Lanes at 12 Locations
- Median Opening Restrictions & Additions
  - For Safety and Reduction of Cut-Thru Traffic on Woodbury Drive
  - Addition of Openings for U-Turn Movements
- Add Continuous Street Lighting
- Roadway Resurfacing





# Proposed Improvements



**Existing Conditions**

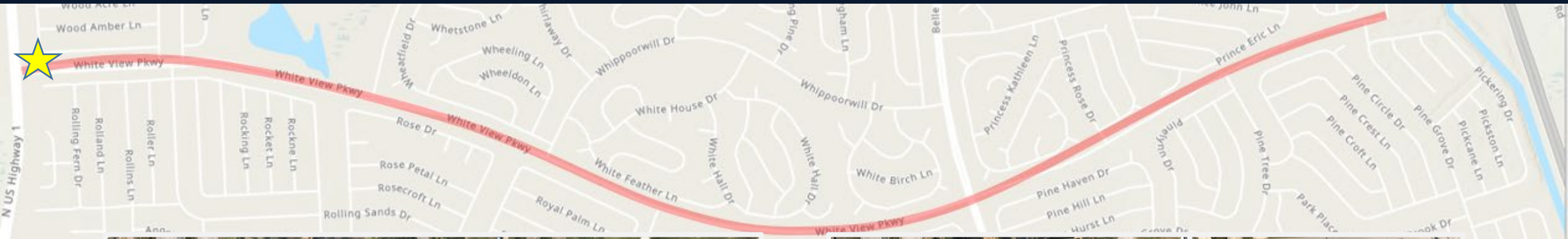


**Proposed Multi-Use Path**





# Proposed Improvements



**Wood Ash Lane**  
Existing Conditions

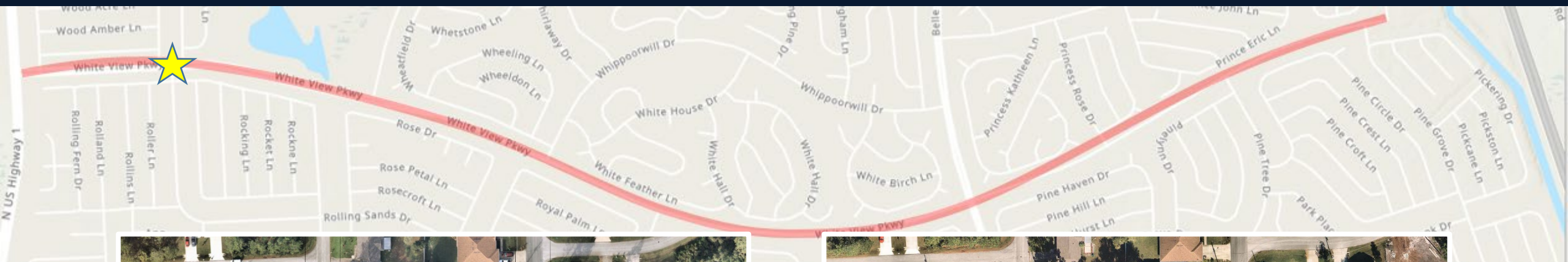


**Wood Ash Lane**  
Proposed Design

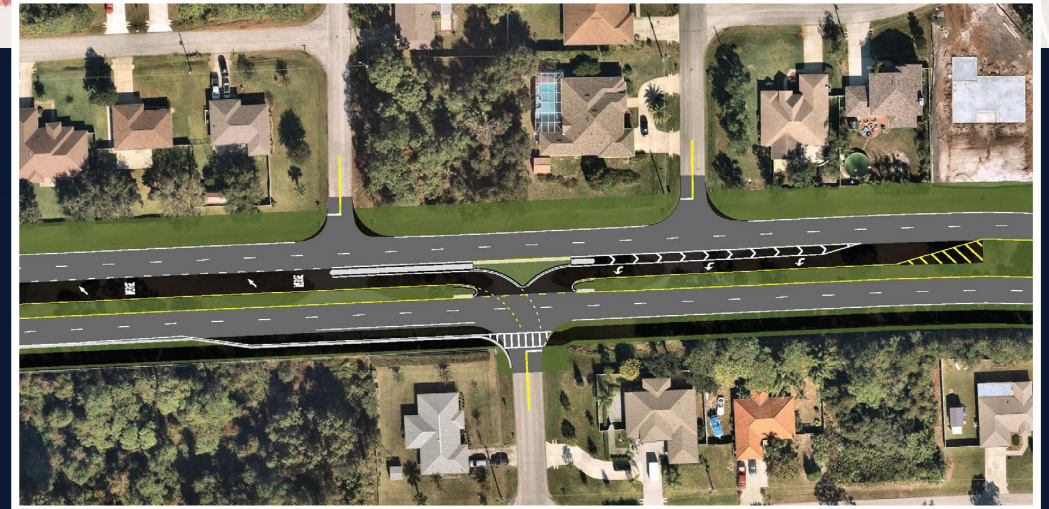




# Proposed Improvements



Rolling Sands Drive  
Existing Conditions

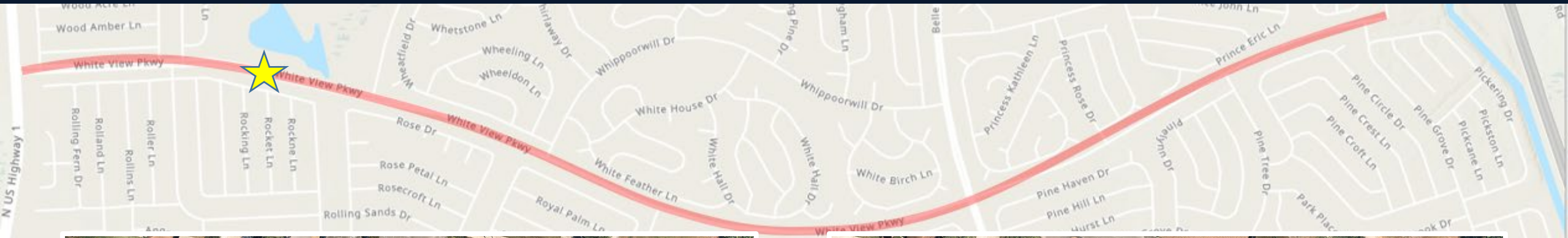


Rolling Sands Drive  
Proposed Design





# Proposed Improvements



**Palm Coast Bible Church**  
Existing Conditions

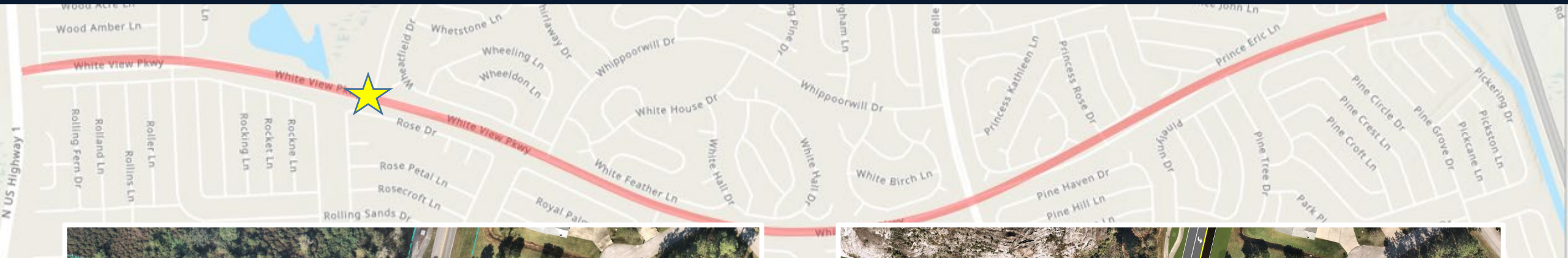


**Palm Coast Bible Church**  
Proposed Design

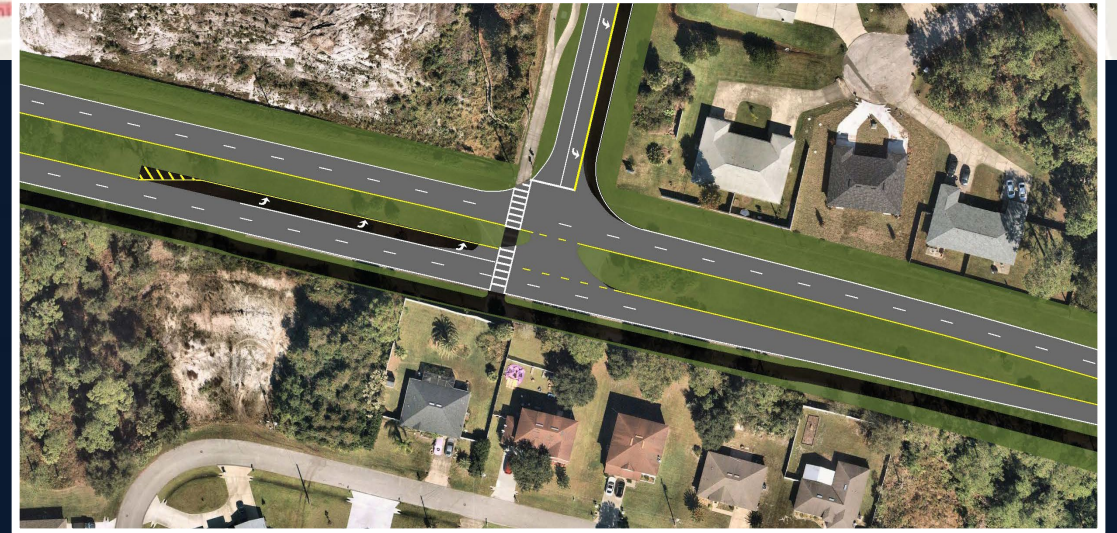




# Proposed Improvements



**White Mill Drive**  
Existing Conditions

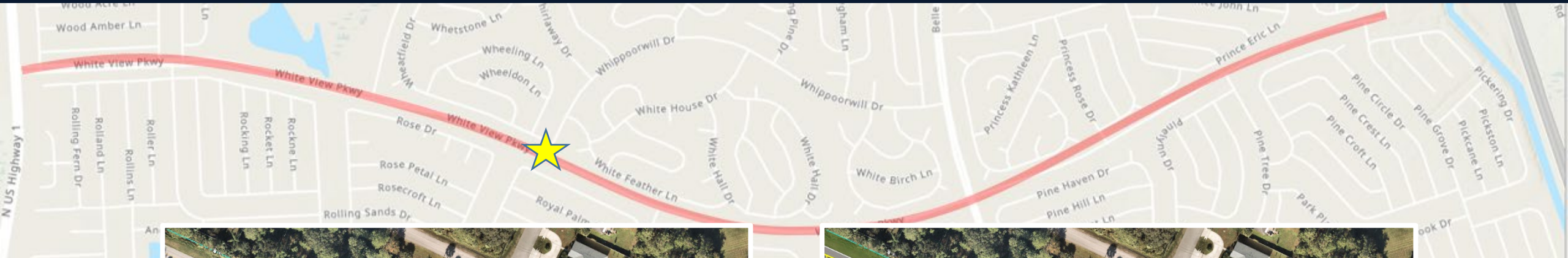


**White Mill Drive**  
Proposed Design





# Proposed Improvements



**Whippoorwill Drive**  
Existing Conditions

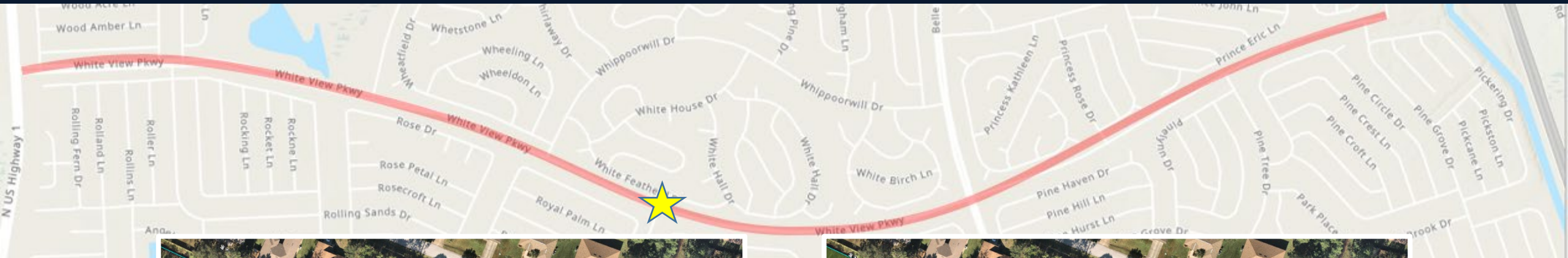


**Whippoorwill Drive**  
Proposed Design

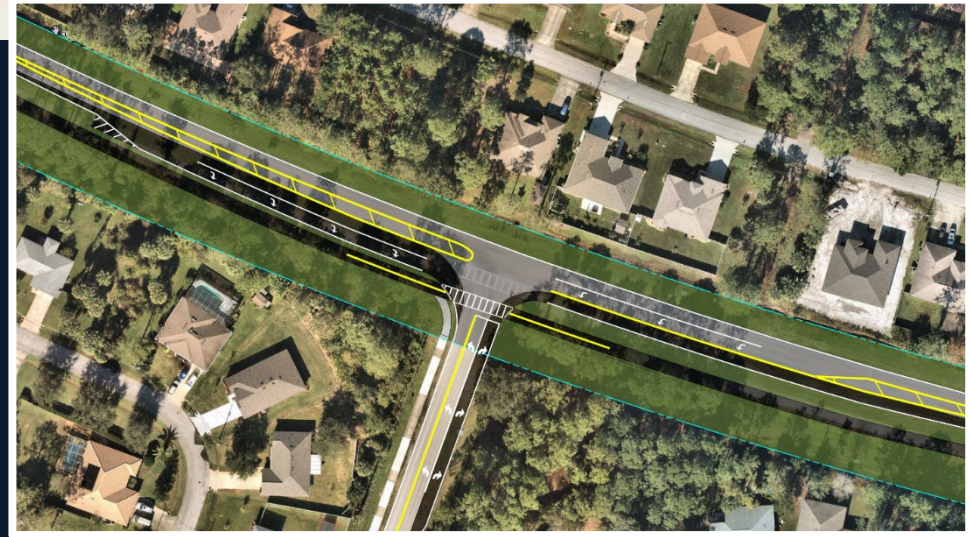




# Proposed Improvements



**Ravenwood Drive**  
Existing Conditions

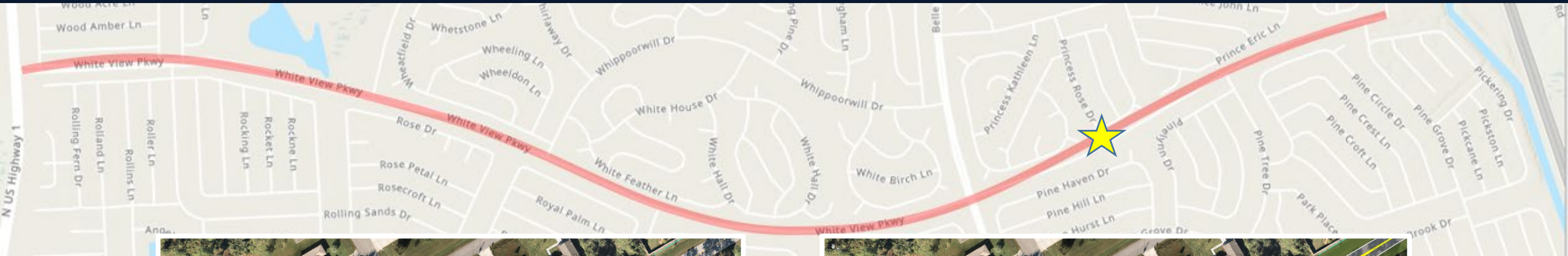


**Ravenwood Drive**  
Proposed Design





# Proposed Improvements



**Princess Rose Drive**  
Existing Conditions



**Princess Rose Drive**  
Proposed Design





# Effects of Retaining 4 Lanes

- Added Construction Cost
- Path Closer to Roadway
- Less Open Swale / Green Space
- Reduced Number of Turn Lanes
- No Reduction in Capacity



# Added Construction Cost

- Add 1,900 Feet of Curb and Gutter
- Add 3,200 Feet of Storm Drain
- Add 11,000 SY of Pavement Resurfacing (additional 2 Lanes)

TOTAL ADDED COST OF  
APPROXIMATELY \$500,000





# Path Closer to Roadway



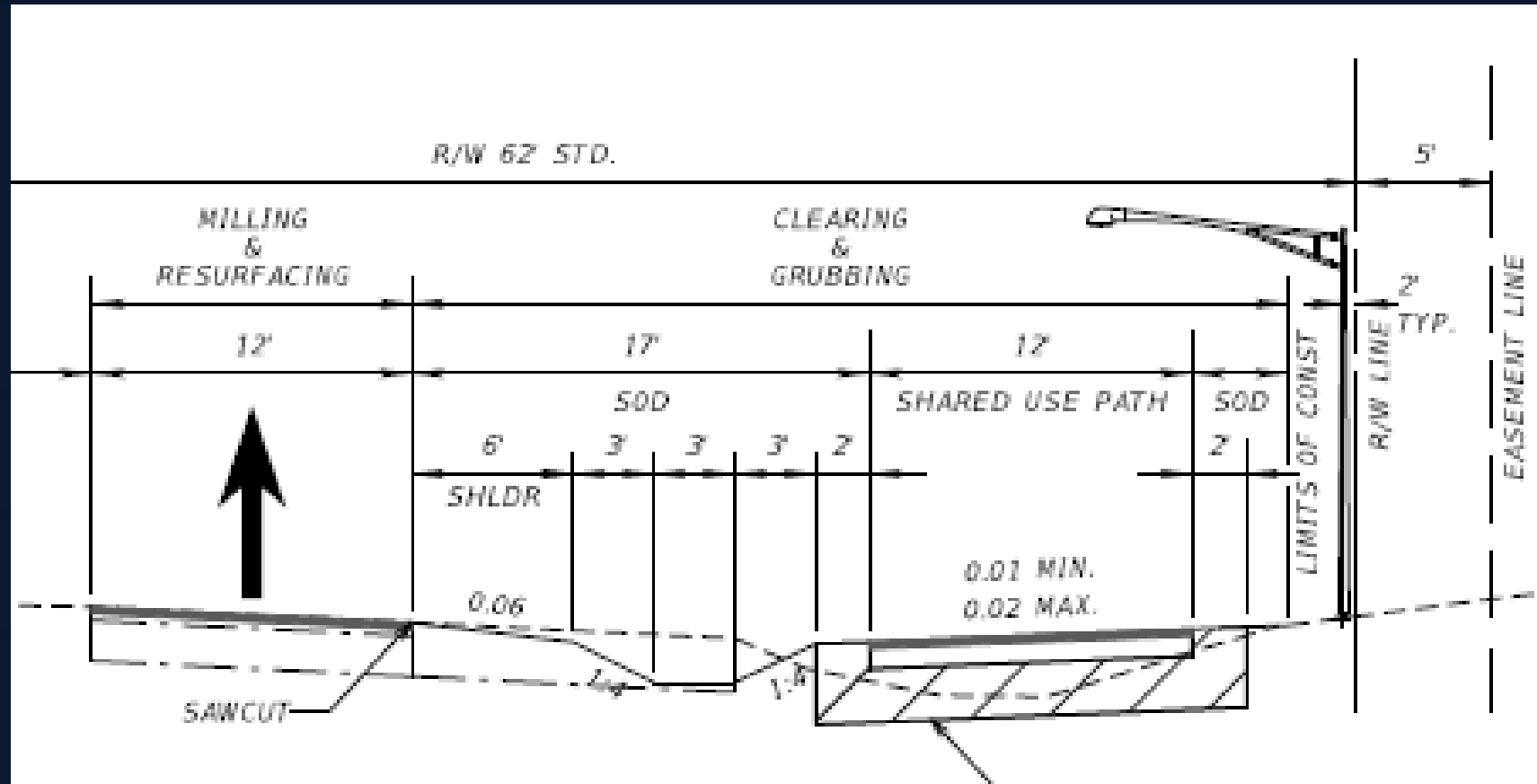
**Path with Road Diet**



**Path without Road Diet**



# Less Open Swale / Green Space

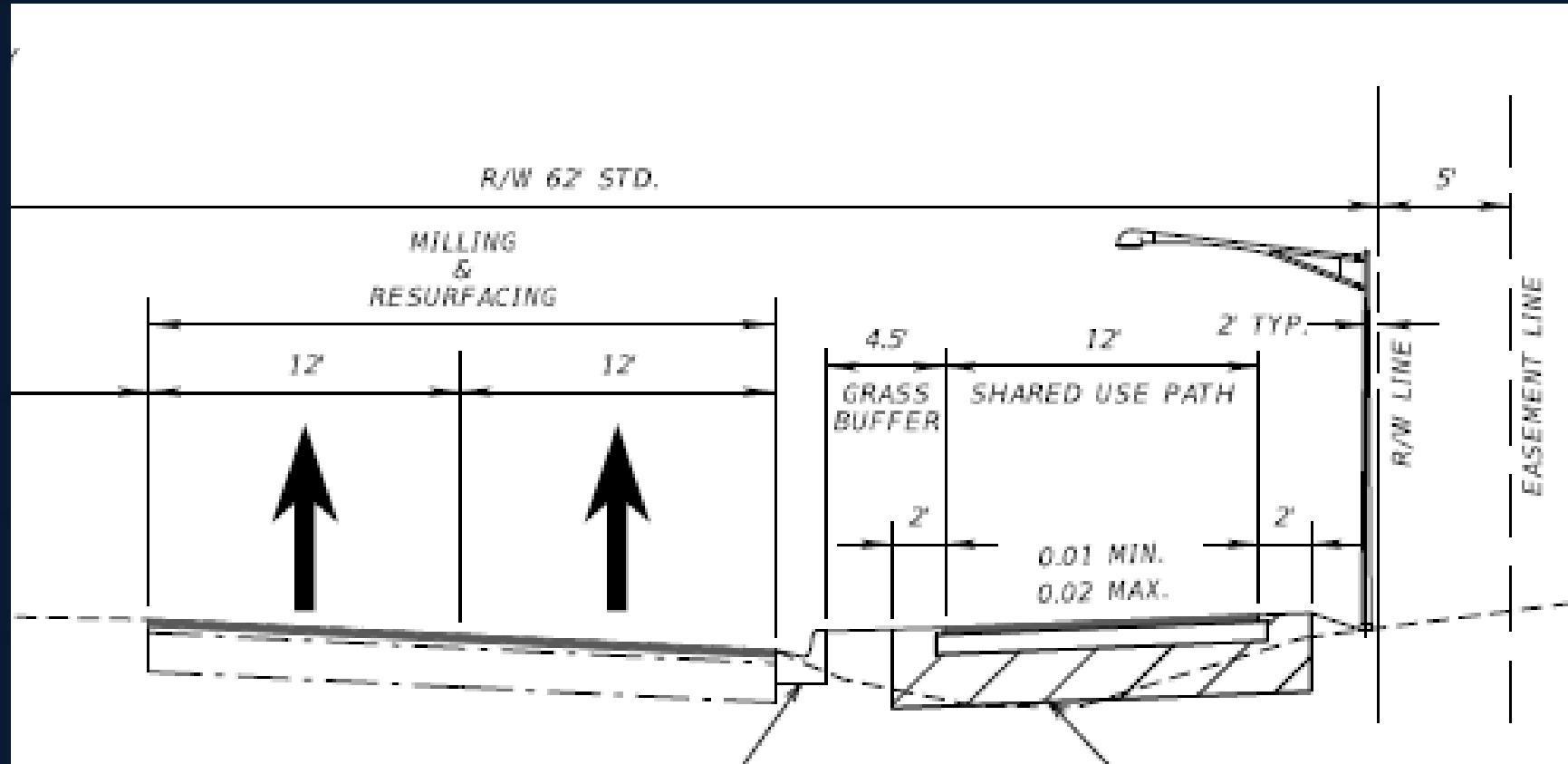


Path with Road Diet





# Less Open Swale / Green Space



Path without Road Diet



# Turn Lanes Excluded for 4-Lane Solution

- Woodbury Drive - Westbound Right Turn Lane  
(No Longer Needed Because 4-Lane Section is Maintained)
- U-Turn Median Opening East of Woodbury  
(Eliminated to Provide Dedicated Opening for Future Fire Station)
- White Mill Drive - Westbound Right Turn Lane  
(No Longer Needed Because 4-Lane Section is Maintained)



# Next Steps

- City Council: March 15th

Resolution to Approve Fees in the amount of \$271,120.00 for Design Services with ETM to Provide Final Construction Documents for a 4-Lane Section Whiteview Option





**Questions?**

**RESOLUTION 2022-\_\_\_\_\_**  
**WHITEVIEW PARKWAY FINAL DESIGN**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, APPROVING A WORK ORDER WITH ENGLAND-THIMS & MILLER, INC., FOR ENGINEERING SERVICES FOR WHITEVIEW PARKWAY FINAL DESIGN; AUTHORIZING THE CITY MANAGER, OR DESIGNEE, TO EXECUTE NECESSARY DOCUMENTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS; PROVIDING FOR IMPLEMENTING ACTIONS AND PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, England-Thims & Miller., Inc., has expressed a desire to provide engineering services for Whiteview Parkway final design and permitting for the City of Palm Coast; and

**WHEREAS**, the City Council of the City of Palm Coast desires for England-Thims & Miller, Inc., to provide engineering services for the above-mentioned project

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, AS FOLLOWS:**

**SECTION 1. APPROVAL OF WORK ORDER.** The City Council of the City of Palm Coast hereby approves the terms and conditions of the work order with England-Thims & Miller, Inc., to provide engineering services, as attached hereto and incorporated herein by reference as Exhibit “A.”

**SECTION 2. AUTHORIZATION TO EXECUTE.** The City Manager, or designee, is hereby authorized to execute the necessary documents.

**SECTION 3. SEVERABILITY.** If any section or portion of a section of this Resolution proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force, or effect of any other section or part of this Resolution.

**SECTION 4. CONFLICTS.** All resolutions or parts of resolutions in conflict with any of the provisions of this Resolution are hereby repealed.



**SECTION 5. IMPLEMENTING ACTIONS.** The City Manager is hereby authorized to take any actions necessary to implement the action taken in this Resolution.

**SECTION 6. EFFECTIVE DATE.** This Resolution shall take effect immediately upon its passage and adoption.

**DULY PASSED AND ADOPTED** by the City Council of the City of Palm Coast, Florida, on this 15<sup>th</sup> day of March 2022.

*ATTEST:*

**CITY OF PALM COAST**

\_\_\_\_\_  
VIRGINIA A. SMITH, CITY CLERK

\_\_\_\_\_  
DAVID ALFIN, MAYOR

APPROVED AS TO FORM AND LEGALITY:

\_\_\_\_\_  
NEYSA BORKERT, CITY ATTORNEY

Attachment: Exhibit "A" – Proposal England-Thims & Miller

SCOPE OF SERVICES FOR  
WHITEVIEW PARKWAY  
ENGINEERING FINAL DESIGN  
ETM PROJECT NO. 21-259-99  
Submitted March 2, 2022

**Purpose**

The originally completed design plans for Whiteview Parkway included: reducing the existing 4-lane roadway down to 2-lanes (road diet), an extension of the multi-use path from Whitemill Drive to US-1, intersection improvements, and drainage improvements associated with the roadway and path construction.

A subsequent scope of work consisted of completion of an engineering analysis to determine the feasibility of constructing the multi-use path without reducing the existing roadway down to two lanes. The results of that study indicated that construction of the revised project is feasible. The engineering analysis included the modification/addition of median opening and turn lanes as required.

This scope of work consists of engineering final design and permitting for the revised project. The scope of work also includes the addition of a right turn lane at Pine Tree Drive, in addition to the turn lanes that were previously designed.

**Task - Roadway Analysis**

This task includes the completion of the horizontal and vertical design of the proposed roadway and path improvements, without the road diet. The design shall include roadway horizontal alignments, profiles, lane widths, pavement cross-slopes, lane transitions, multi-use path, cross sections and milling/resurfacing limits.

**Task - Roadway Plans**

This task includes modification of the previously prepared plans as needed for the revised design. The plans will be prepared in accordance with City of Palm Coast standards. Plans will include: Key Sheet, Drainage Maps, Typical Section Sheets, General Notes Sheet, Plan Sheets, Cross Sections, and Erosion Control Details

### **Task - Drainage Analysis**

Some of the existing roadside swales will be replaced with a piped storm drain collection system, to allow for the multi-use path construction. This task includes final engineering analysis and design for the storm drain inlets and pipe associated with the roadway and multiuse path improvements.

### **Task - Traffic Control Plans**

This task includes development of a Traffic Control Plan to move vehicular traffic during all phases of construction. The Traffic Control Plan shall be prepared by an FDOT Certified Designer in accordance with FDOT standards. Typical Sections, Construction Sequence Notes, and Plan Sheets will be produced for each construction phase.

### **Task - Utility Coordination**

This task includes coordination of the roadway and multi-use path design with affected utility companies to minimize conflicts. Affected utilities may include: American Traffic Solutions, FPL, Level 3, the City of Palm Coast, Charter Communications, TECO Peoples Gas, AT&T Distribution, and Southern Light. Any utility relocation design shall be the responsibility of the affected utility companies.

### **Task - FDOT Coordination and Permitting**

This task includes additional coordination services with FDOT District personnel and preparation of a new Driveway / Connection Permit Application. All elements located within the FDOT right-of-way shall be designed to meet FDOT standards. This task includes permit submittals to the FDOT, responding to review comments, and coordination with FDOT personnel.

### **Task - Signing and Pavement Markings**

This task includes the final design of pavement markings and roadside signage as required for the project improvements. The design and plans shall be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD). This task will include design improvements for the mid-block cross walk at the Whitemill Drive intersection.

### **Task - Traffic Signalization**

ETM will modify the previously designed traffic signalization improvements at the Whiteview Parkway / US-1 intersection as required by not reducing the eastbound roadway down to one through lane. The improvements will provide a crosswalk across the east leg of the intersection, to enable the multi-use path users to cross Whiteview Parkway at the intersection. Pedestrian signals and detectors will be provided, and the traffic signal operating plan will be modified to provide for this additional movement. The traffic signalization design and plans will be prepared in accordance with applicable FDOT standards, and coordination with FDOT staff will be provided.

### **Task - Street Lighting**

This task will include providing updated photometrics and pole locations for roadway lighting improvements for Whiteview Parkway from US-1 to just east of Whitemill Drive. The design and plans shall be in accordance with FPL LED street light standards.

### **Task - Landscape, Hardscape and Irrigation**

This task includes the design of a new City Entry Gateway Sign at the NE corner of the Whiteview Parkway / US-1 intersection. The design shall be based on the existing city standard design. Also includes landscape and irrigation design at the new City Entry Gateway Sign. This task also includes landscape plans for Whiteview Parkway (between White Mill Drive and US-1 only) to address impacts to existing landscaping due to proposed improvements, infilling areas where landscaping has failed, as well as new landscape plans. Also includes irrigation design for the median areas of Whiteview Parkway. The design and plans shall be in accordance with City of Palm Coast standards.

**FEE SUMMARY**

Roadway Analysis .....	\$36,974
Roadway Plans.....	\$18,413
Drainage Analysis .....	\$7,602
Traffic Control Plans .....	\$42,913
Utility Coordination .....	\$36,049
FDOT Coordination and Permitting.....	\$7,265
Signing and Pavement Markings.....	\$3,964
Traffic Signalization .....	\$5,078
Street Lighting.....	\$29,709
Landscape, Hardscape & Irrigation....	\$53,153
Subsurface Utility Exploration (SUE) (Budget)....	\$10,000
Additional Services (Budget)....	<u>\$20,000</u>
TOTAL	\$271,120

**ITEMS NOT INCLUDED**

The exclusions below are listed primarily to define the scope of this project. Should any of these services be required, we will be pleased to provide you with a quotation to perform them.

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• Stormwater Facility Design</li> <li>• Geotechnical Engineering</li> <li>• Utility Design</li> <li>• Surveying</li> </ul> | <ul style="list-style-type: none"> <li>• Cost Estimates</li> <li>• Wetland Investigation</li> <li>• Environmental Investigations</li> <li>• Permit Fees</li> </ul> |
|---|--|

Consultant Name: England, Thims & Miller, Inc.  
 WPI No.:  
 State Project No.:  
 FAP No.:

Name of Job: Whiteview Parkway  
 From: US-1  
 To: Pritchard Dr.  
 Length:  
 Date: 02-Mar-22

Estimator's Name: Matt Maggiore, P.E.

No./ACTIVITY	PRINCIPAL		PROJECT MANAGER		SENIOR ENGINEER		ENGINEER		DESIGNER				MANHOURS BY ACTIVITY	SALARY COST BY ACTIVITY	AVERAGE HOURLY RATE
	MAN HOURS	HOURLY RATE	MAN HOURS	HOURLY RATE	MAN HOURS	HOURLY RATE	MAN HOURS	HOURLY RATE	MAN HOURS	HOURLY RATE	MAN HOURS	HOURLY RATE			
A. Roadways Plans Package															
1. Roadway Analysis	11	\$245.00	56	\$180.00	34	\$195.00	56	\$157.00	67	\$131.00			224	\$36,974.00	\$165.06
2. Roadway Plans	6	\$245.00	28	\$180.00	17	\$195.00	28	\$157.00	32	\$131.00			111	\$18,413.00	\$165.88
3. Drainage Analysis	2	\$245.00	12	\$180.00	7	\$195.00	12	\$157.00	13	\$131.00			46	\$7,602.00	\$165.26
4. Traffic Control Plans	13	\$245.00	65	\$180.00	39	\$195.00	65	\$157.00	78	\$131.00			260	\$42,913.00	\$165.05
5. Utility Coordination	11	\$245.00	55	\$180.00	33	\$195.00	55	\$157.00	64	\$131.00			218	\$36,049.00	\$165.36
6. FDOT Coordination and Permitting	2	\$245.00	11	\$180.00	7	\$195.00	11	\$157.00	13	\$131.00			44	\$7,265.00	\$165.11
B. Signing and Pavement Markings	1	\$245.00	6	\$180.00	4	\$195.00	6	\$157.00	7	\$131.00			24	\$3,964.00	\$165.17
C. Traffic Signalization	2	\$245.00	8	\$180.00	5	\$195.00	8	\$157.00	7	\$131.00			30	\$5,078.00	\$169.27
D. Street Lighting	9	\$245.00	45	\$180.00	27	\$195.00	45	\$157.00	54	\$131.00			180	\$29,709.00	\$165.05
E. Landscape, Hardscape, and Irrigation	16	\$245.00	81	\$180.00	48	\$195.00	81	\$157.00	96	\$131.00			322	\$53,153.00	\$165.07
TOTAL MANHRS & TOTAL COST	73		367		221		367		431				1459	\$241,120.00	\$165.26

TOTAL CONTRACT COST COMPUTATIONS

Total Activity Salary Costs:	\$241,120.00
Subsurface Utility Exploration Budget (SUE)	\$10,000.00
Budget for Additional Services	\$20,000.00

Grand Total: \$271,120.00

























# City of Palm Coast, Florida Agenda Item

Agenda Date : March 8, 2022

<b>Department</b> CITY ADMINISTRATION	<b>Amount</b>
<b>Item Key</b>	<b>Account</b>
	<b>#</b>
<b>Subject</b> WORKSHEET	
<b>Presenter : Virginia Smith, City Clerk</b>	
<b>Background :</b>	
<b>Recommended Action :</b>	

			<b>March 15, 2022 BUSINESS MEETING</b>	
1	Resolution	Annual Comprehensive Financial Report		Alves
2	Resolution	WO Whiteview Safety Final Design		Cote
3	Resolution	Design Services Matanzas Woods West Extension		Cote
4	Resolution	Change order Additional Design & CM Services for PW Facility Project		Cote
5	Resolution	East-West Connector Feasibility Study		Cote
6	Resolution	WO Design Services Replacement of Oxygen Generator		Flanagan/Roussell
7	Resolution	St. Joe Canal ROW vacation		Hoover
8	Resolution	Cultural Arts Grants		Johnston
9	Resolution	Employee Recognition		Kershaw
10	Resolution	Assessment of Fair Housing		Papa
11	Resolution	SHIP Incentives		Papa
12	Proclamation	Multiple Myeloma		Smith
			<b>March 22, 2022 SPECIAL MEETING</b>	
1	Appointment	Appoint vacant seat District 2		Council
2	Oath	Oath of Office		Smith
			<b>March 22, 2022 SPECIAL BUDGET WORKSHOP MEETING</b>	
1	Presentation	Economist oversight		UNF
2	Presentation	SAP Evaluation #1		SAP
3	Presentation	10 year Capital Improvement Forecast		SAP/Cote
			<b>April 5, 2022 BUSINESS MEETING</b>	
1	Resolution	Stormwater Loan		Alves
2	Resolution	State Revolving Fund Loan Agreement for Construction WWTP #2 Expansion-Utility		Blake
3	Resolution	Contract and WO for Construction of WWTP #2 Expansion-Utility		Blake
4	Proclamation	Water Conservation and Challenge		Hopkins/Kershaw
			<b>April 12, 2022 WORKSHOP MEETING</b>	
1	Presentation	Annual Investment Report		Alves
2	Presentation	Pavement Management Program		Cote/Alves
3	Presentation	Belle Terre Park PCAC Assessment report		Cote
4	Presentation	Discussion Green Lion		DeLorenzo
			<b>April 19, 2022 BUSINESS MEETING</b>	
1	Ordinance 2nd	EAR		Papa
2	Appointments	BEAC Members		Smith
			<b>April 26, 2022 SPECIAL BUDGET WORKSHOP MEETING</b>	
1	Presentation	YTD Budget		Alves
2	Presentation	Fire and Parks and Recreation Overview		Departments
3	Presentation	SAP Evaluation #2		SAP
			<b>May 3, 2022 BUSINESS MEETING</b>	
1	Proclamation	Arbor Day and Monarch City		Mini
			<b>May 10, 2022 WORKSHOP MEETING</b>	
1	Resolution	Solid Waste		Schweers
			<b>May 17, 2022 BUSINESS MEETING</b>	
			<b>May 24, 2022 SPECIALBUDGET WORKSHOP MEETING</b>	
1	Presentation	Fund Account and Revenue Restrictions		Alves
2	Presentation	Utility/PW/Stormwater Overview		Departments
3	Presentation	Presentation by FCTC and FCPA		TC AND PA
			<b>June 7, 2022 BUSINESS MEETING</b>	
			<b>June 14, 2022 WORKSHOP MEETING</b>	
1	Presentation	Budget Prep Series-Overview Property Tax and TRIM		Alves
			<b>June 21, 2022 BUSINESS MEETING</b>	
			<b>June 28, 2022 SPECIALBUDGET WORKSHOP MEETING</b>	
1	Presentation	Council Priority and Update-SPECIAL BUDGET WORKSHOP		SAP
			<b>July 5, 2022 BUSINESS MEETING</b>	
			<b>July 12, 2022 WORKSHOP MEETING</b>	
1	Presentation	Proposed General Fund Budget and TRIM Rate		Alves
2	Resolution	Initial Nuisance Abatement		Grossman
			<b>July 19, 2022 BUSINESS MEETING</b>	
1	Presentation	Proposed Millage and Proposed Budget		Alves
2	Resolution	Initial Nuisance Abatement		Grossman
			<b>July 26, 2022 SPECIALBUDGET WORKSHOP MEETING</b>	
1	Presentation	Proposed Utility, St. Water, IT Ent. & Bldg. Fund Budgets- SPECIAL WORKSHOP 7/26		Alves
			<b>Future</b>	
1	Resolution	6" Bypass Pump for Pump Station PL-C Colbert Lane		Ashburn
2	Resolution	Data Center Co-Location Services		Akins
3	Resolution	Old Kings Road Special Assessment 8/9		Alves



4	Presentation	Capital, Internal Svcs, Special Revenue, Proposed Budget for all remaining funds- 8/9	Alves
5	Presentation	Final Proposed Budget-SPECIAL BUDGET WORKSHOP 8/24	Alves
5	Presentation	Final Tentative Millage and Tentative Budget-TENTATIVE SPECIAL MEETING 9/8 OR 9/9	Alves
6	Presentation	Final Millage & Budget -TENTATIVE SPECIAL MEETING 9/21 OR 9/22	Alves
7	Resolution	Saltwater Canals Award 5/10	Cote
8	Resolution	Lehigh Trailhead - Post Design WO & CEI Services Contract & Construction Contract	Cote
9	Resolution	P1 Control Structure Rehab	Cote
10	Resolution	Green Lion Contract	DeLorenzo
11	Ordinance	Memorial Markers	Cote/Grunewald
12	Presentation	Building/Planning Level of Service	DeLorenzo
13	Ordinance	Boat code	DeLorenzo
14	Ordinance	Open burn	DeLorenzo/Berryhill
15	Resolution	Final Nuisance Abatement 8/9	Grossman
16	Ordinance 1st	Animal Control amendment	Grossman
17	Presentation	Council Priority Community Center Parking	Johnston
18	Ordinance	Logo	Kershaw
19	Presentation	Citizen's Academy Graduates	Kershaw
20	Presentation	Citizen's Academy Graduates	Kershaw
21	Resolution	Fleet Purchases	Mancill
22	Resolution	Toll Brothers Final Plat	Tyner/Leap