



TECHNICAL ADVISORY COMMITTEE (TAC)

Regular Meeting

Tuesday, March 17, 2020
1:30 pm

AGENDA

1. Call to Order
 2. Roll Call
 3. Comments from the Public
 4. Approval of Agenda
 5. Approval of Meeting Summary
 - *January 21, 2020 Regular Meeting*
 6. Action Items
 - 6a. FY 2020/21 – FY 2021/22 Unified Planning Work Program (UPWP): Review of the draft FY 2020/21 – FY 2021/22 UPWP for the St. Lucie TPO.

Action: Review and recommend adoption of the draft UPWP, recommend adoption with conditions, or do not recommend adoption.
 - 6b. Transportation Alternatives Program (TAP) 2020 Grant Application: Review and endorsement of a TAP grant application for the 2020 grant cycle.

Action: Review and recommend the endorsement of the TAP grant application for the 2020 grant cycle, recommend endorsement with conditions, or do not recommend endorsement.
 - 6c. Transportation Regional Incentive Program (TRIP) 2020 Grant Application: Review and endorsement of a TRIP grant application for the 2020 grant cycle.

Action: Review and recommend endorsement of the TRIP grant application for the 2020 grant cycle, recommend endorsement with conditions, or do not recommend endorsement.
-

7. Discussion Items

- 7a. Florida Transportation Plan (FTP) Update: Presentation by the Florida Department of Transportation (FDOT) of the FTP Update.

Action: Discuss the FTP Update and provide comments to FDOT.

- 7b. Treasure Coast Congestion Assessment (TCCA): Presentation by FDOT of the TCCA which employs a new data source, methodology, and analysis to identify locations of congestion in the St. Lucie TPO area.

Action: Review the TCCA and provide comments to FDOT.

8. Recommendations/Comments by Members

9. Staff Comments

10. Next Meeting: The next St. Lucie TPO TAC meeting is a regular meeting scheduled for 1:30 pm on Tuesday, May 19, 2020.

11. Adjourn

NOTICES

The St. Lucie TPO satisfies the requirements of various nondiscrimination laws and regulations including Title VI of the Civil Rights Act of 1964. Public participation is welcome without regard to race, color, national origin, age, sex, religion, disability, income, or family status. Persons wishing to express their concerns about nondiscrimination should contact Marceia Lathou, the Title VI/ADA Coordinator of the St. Lucie TPO, at 772-462-1593 or via email at lathoum@stlucieco.org.

Persons who require special accommodations under the Americans with Disabilities Act (ADA) or persons who require translation services (free of charge) should contact Marceia Lathou at 772-462-1593 at least five days prior to the meeting. Persons who are hearing or speech impaired may use the Florida Relay System by dialing 711.

Items not included on the agenda may also be heard in consideration of the best interests of **the public's health, safety, welfare, and as necessary to protect every person's right of access**. If any person decides to appeal any decision made by the St. Lucie TPO Advisory Committees with respect to any matter considered at a meeting, that person shall need a record of the proceedings, and for such a purpose, that person may need to ensure that a verbatim record of the proceedings is made which includes the testimony and evidence upon which the appeal is to be based.

Kreyol Aysiyen: Si ou ta renmen resevwa enfòmasyon sa a nan lang Kreyòl Aysiyen, tanpri rele nimewo 772-462-1593.

Español: Si usted desea recibir esta información en español, por favor llame al 772-462-1593.

TECHNICAL ADVISORY COMMITTEE (TAC) REGULAR MEETING

DATE: Tuesday, January 21, 2020
TIME: 1:30 pm
LOCATION: St. Lucie TPO
Coco Vista Centre
466 SW Port St. Lucie Boulevard, Suite 111
Port St. Lucie, Florida

MEETING SUMMARY

1. Call to Order

Chairwoman Graham called the meeting to order at 1:40 pm.

2. Roll Call

The roll call was taken via sign-in sheet and the following members were present:

Members Present

Kimberly Graham, Chairwoman
Roxanne Chesser
Ben Balcer
Murriah Dekle
Laura Dodd
Rebeca Guerra
Salomon Rincon
Marty Sanders
Ed Seissiger

Representing

St. Lucie County Public Works
Port St. Lucie Public Works
St. Lucie County Planning
St. Lucie County Transit
Port St. Lucie Planning
Fort Pierce Planning
St. Lucie County Fire District
St. Lucie County School District
Fort Pierce Engineering

Others Present

Peter Buchwald
 Ed DeFini
 Yi Ding
 Marceia Lathou
 Rachel Harrison
 Christine Fasiska

Bolivar Gomez

Dan Hiden
 Eric Penfield
 John Podczerwinsky
 Gus Schmidt
 Mira Skoroden
 Victoria Williams

Representing

St. Lucie TPO
 St. Lucie TPO
 St. Lucie TPO
 St. Lucie TPO
 Recording Specialist
 Florida Department of
 Transportation (FDOT)
 Martin Metropolitan Planning
 Organization (MPO)
 FDOT
 RS&H
 FDOT
 TY Lin
 FDOT
 Florida’s Turnpike Enterprise

3. Comments from the Public – None.

4. Approval of Agenda

* MOTION by Mr. Balcer to approve the agenda.

** SECONDED by Ms. Dekle Carried UNANIMOUSLY

5. Approval of Meeting Summary
 • November 19, 2019 Regular Meeting

* MOTION by Mr. Sanders to approve the Meeting Summary.

** SECONDED by Mr. Balcer Carried UNANIMOUSLY

6. Action Items

6a. Annual Officer Elections: Election of a Chairperson and a Vice Chairperson for the TAC for 2020.

Mr. Buchwald invited the TAC secretary to open the nominations for TAC Chairperson for 2020.

* MOTION by Mr. Seissiger to nominate Mr. Sanders to serve as TAC Chairperson for 2020.

** SECONDED by Ms. Chesser

The secretary asked if there were any additional nominations.

* MOTION by Mr. Balcer to nominate Chairwoman Graham to serve as TAC Chairperson for 2020.

** SECONDED by Ms. Dekle

There were no other nominations, and the nominations were closed. The TAC secretary conducted a hand-count, and Chairwoman Graham was elected to serve as TAC Chairperson for 2020 by majority vote.

Chairwoman Graham invited nominations for TAC Vice Chairperson for 2020.

* MOTION by Mr. Balcer to nominate Mr. Sanders to serve as Vice Chairperson of the TAC for 2020.

** SECONDED by Ms. Dekle

There were no other nominations and the nominations were closed.

* MOTION to elect Mr. Sanders to serve as Vice Chairperson of the TAC for 2020. Carried UNANIMOUSLY

6b. I-95 Multimodal Master Plan Revisions: A presentation of the proposed revisions to the draft I-95 Multimodal Master Plan by the Florida Department of Transportation.

Mr. Buchwald described the scope and goals of the Master Plan, recounted the history of the draft's development, and then introduced Ms. Fasiska, who indicated that she would be replacing former FDOT employee Min Tang-Li as Project Manager. Ms. Fasiska provided an overview of both the presentation and the project itself before outlining FDOT's new Managed Lanes Policy. She invited Mr. Penfield to continue the presentation, and he explained how Managed Lanes could be used to mitigate congestion along with how their implementation would affect the Master Plan. He noted the project's timeline and then presented the revisions made to the Plan for the I-95 segment between Crosstown Parkway and St. Lucie West Boulevard, which

added a northbound lane for local traffic to the previously-proposed braided ramp strategy.

In response to Ms. Dekle's question concerning the environmental impacts of the proposed I-95 improvements in Martin County, Mr. Penfield reiterated the big-picture emphasis of the study but noted that a variance could potentially be justified.

Chairwoman Graham inquired about the construction timeline, and Mr. Penfield reported that the PD&E study had been programmed for 2025 but that construction was not yet funded.

Vice Chairman Sanders asked for clarification on the plans for the southbound segment between St. Lucie West Boulevard and Crosstown Parkway. Mr. Penfield indicated that the braided ramp strategy would also be used on that portion, but that it would not be needed as soon as its northbound counterpart. Discussion ensued regarding the ability of Commerce Center Drive to handle local southbound traffic for that segment considering the roundabouts at either end. Mr. Penfield explained that the northern roundabout and Commerce Center Drive itself would be sufficient through 2045, but that the southern roundabout had not been analyzed.

* MOTION by Vice Chairman Sanders to recommend approval of the proposed revisions to the draft I-95 Multimodal Master Plan with the condition that southbound alternatives would be analyzed in the future to include local access solutions between St. Lucie West Boulevard and Crosstown Parkway, if necessary.

** SECONDED by Mr. Seissiger Carried UNANIMOUSLY

6c. Public Participation Plan (PPP): Review of the draft PPP for the St. Lucie TPO.

Mr. Buchwald introduced Ms. Lathou, who defined public participation and described its goals before presenting the timeline and objectives of the PPP Major Update. She summarized the guiding principles behind the staff's approach to public involvement and provided an overview of the PPP's contents. Ms. Lathou described the various opportunities given to the public for comment along with the diverse outreach methods used by TPO staff. She concluded with an explanation of how the effectiveness of the PPP would be measured and a summary of the comments made by CAC members earlier that day.

In response to Chairwoman Graham's question, Ms. Lathou described where and how the draft PPP was made available to the public.

Vice Chairman Sanders commended the TPO for their transparent transportation decision-making processes and responsiveness to public concerns. He also suggested that staff consider geo-fencing technology as an additional avenue for public participation at public workshops.

* MOTION by Ms. Guerra to recommend adoption of the draft PPP.

* * * * * SECONDED by Ms. Chesser Carried UNANIMOUSLY

6d. Safety Performance Targets: Review of the 2020 Safety Performance Targets for adoption by the St. Lucie TPO.

Mr. Buchwald explained that State Departments of Transportation and Metropolitan Planning Organizations must annually establish statewide targets for safety performance measures according to Federal Transportation Performance Management requirements. Mr. Ding continued by presenting the safety performance results for both FDOT and the TPO, and the newly-released 2018 results were compared to the 2018 interim benchmarks which are used to demonstrate progress toward the final targets. Mr. Ding also identified that a review of the crash locations and causes in 2018 indicates that the crashes were spread out across the TPO area and do not point to a specific cluster or dominant issue such as roadway surface or design defects. Mr. Ding noted that FDOT had renewed its commitment to zero deaths and serious injuries for 2020 by setting "Vision Zero" targets for all five safety performance measures and that the TPO could either support them or establish its own targets. The FDOT 2020 forecast range was also presented with a slight upward trend recognized for the interim benchmarks. Mr. Ding recommended that the same targets as FDOT's 2020 Safety Performance Targets be adopted and then presented the benchmark figures being recommended for adoption based on the analysis of the 2018 results.

Ms. Dekle initiated a discussion of the steps to be taken after the adoption of the safety performance targets. Mr. Buchwald explained that, with no evidence of crash clustering within the TPO area, the focus would remain on general safety strategies like education, building up the St. Lucie Walk-Bike Network, reducing speeds, and bolstering law enforcement efforts. He also noted that the TPO area was relatively safe compared to other areas with similar population.

Vice Chairman Sanders questioned whether staff conducted any additional analyses on the root causes of the crashes. Mr. Ding described the various parameters that were taken into consideration but reported that no pattern emerged. Mr. Buchwald added that some data, such as that concerning distracted driving, had only recently started to be collected and might not accurately reflect reality.

- * MOTION by Vice Chairman Sanders to recommend maintaining the 2019 Safety Performance Targets for 2020 with the condition that staff re-evaluate the 2018 accident data to disaggregate the various factors impacting local accident occurrence with the aim of mitigating serious injuries and fatalities.

** SECONDED by Ms. Dekle Carried UNANIMOUSLY

6e. Bicycle-Pedestrian Data Collection Program: Review of the proposed Bicycle-Pedestrian Data Collection Program.

Mr. Buchwald explained that bicycle-pedestrian counts and other such previously uncollected data were needed to evaluate the bicycle and pedestrian use of the St. Lucie Walk-Bike Network (WBN), to identify deficiencies and necessary improvements and to prioritize projects. He described FDOT's Statewide Non-Motorized Traffic Monitoring Program, which includes the deployment of both permanent, continuous bicycle-pedestrian counters and portable, short-term counters, the establishment of a statewide repository for bicycle and pedestrian data, and the provision of training in data collection. He then outlined staff's proposal to facilitate a similar data collection program in the TPO area. If the program were approved, Mr. Buchwald continued, up to eight portable, multi-use Eco-Counters would be purchased and provided to local agencies for deployment in locations designed to support implementation of the WBN, and the resulting data would be uploaded to the statewide repository.

In response to Ms. Dekle's question, Mr. Buchwald clarified that the equipment would be purchased by the TPO with a budget of less than \$50,000.

In answer to Chairwoman Graham's question, Mr. Buchwald explained how the equipment counts cyclists and pedestrians.

- * MOTION by Mr. Balcer to recommend approval of the proposed Program.

** SECONDED by Ms. Dekle Carried UNANIMOUSLY

DRAFT

7. Recommendations/Comments by Members – None.
8. Staff Comments – Mr. Buchwald thanked the members for their participation.
9. Next Meeting: The next St. Lucie TPO TAC meeting is a regular meeting scheduled for 1:30 pm on Tuesday, March 17, 2020.
10. Adjourn – The meeting was adjourned at 3:00 pm.

Respectfully submitted:

Approved by:

Rachel Harrison
Recording Specialist

Kimberly Graham
Chairwoman



Coco Vista Centre
466 SW Port St. Lucie Blvd, Suite 111
Port St. Lucie, Florida 34953
772-462-1593 www.stlucietpo.org

AGENDA ITEM SUMMARY

Board/Committee: Technical Advisory Committee (TAC)

Meeting Date: March 17, 2020

Item Number: 6a

Item Title: FY 2020/21 – 2021/22 Unified Planning Work Program (UPWP)

Item Origination: Federal and State requirements and FY 2018/19–FY 2019/20 UPWP

UPWP Reference: Task 1.2 – UPWP Development

Requested Action: Review and recommend adoption of the draft UPWP, recommend adoption with conditions, or do not recommend adoption.

Staff Recommendation: Because the comments received from the TPO Board, the advisory committees, and the public have been incorporated into the draft UPWP, it is recommended that the draft UPWP be recommended for adoption by the TPO Board.

Attachments

- Staff Report
- Draft FY 2020/21 – FY 2021/22 UPWP



Coco Vista Centre
466 SW Port St. Lucie Blvd, Suite 111
Port St. Lucie, Florida 34953
772-462-1593 www.stlucietpo.org

MEMORANDUM

TO: Technical Advisory Committee (TAC)

THROUGH: Peter Buchwald
Executive Director

FROM: Marceia Lathou
Transit Program Manager

DATE: March 10, 2020

SUBJECT: FY 2020/21 – FY 2021/22 Unified Planning Work Program (UPWP)

BACKGROUND

The Unified Planning Work Program (UPWP) is the two-year program of transportation planning activities supported by state and federal funds undertaken by the TPO. The UPWP includes a description of the planning work and resulting products, who will perform the work, timeframes for completion, costs, and funding sources. The UPWP serves as the foundational document for carrying out the continuing, cooperative, and comprehensive transportation planning process within the TPO area.

The UPWP is required for the TPO to receive funding from the Federal Highway Administration (FHWA), the Federal Transit Administration (FTA), the Florida Commission for the Transportation Disadvantaged (FCTD), and the Florida Department of Transportation (FDOT).

Planning projects are included in the UPWP based on TPO priorities, the need to satisfy state/federal requirements, and funding constraints. Projects may involve any aspect of surface transportation including roadways, transit, bicycle/pedestrian, and the needs of the transportation disadvantaged.

The current UPWP for FY 2018/19 – FY 2019/20 ends on June 30, 2020. Therefore, it is necessary to initiate the development of the UPWP for FY 2020/21 – FY 2021/22.

ANALYSIS

A Call for UPWP Projects was initiated in July 2019. An initial discussion of the FY 2020/21 – FY 2021/22 UPWP was requested of the TPO advisory committees at their November meetings. The discussion consisted of the identification and discussion of the planning priorities, tasks, projects, and activities that should comprise the proposed UPWP. The Call for Projects was announced to the public through social media, discussions at meetings such as the Local Coordinating Board for the Transportation Disadvantaged (LCB) and public outreach events.

The Call for UPWP Projects resulted in several project ideas which are included in the draft FY 2020/21 – FY 2021/22 UPWP. These projects include:

- Drone Port Study – analysis of appropriate locations for drone ports to ensure the safe routing of unmanned aircraft delivery systems.
- Micro-Mobility Study – an analysis of the deployment of micro-transit, e-scooters, car sharing, and bike sharing in three areas identified in the Transit Development Plan (TDP).
- Community Profile Updates – an update of the existing Community Profiles based on the most current U.S. Census data.
- Crosswalk Markings Visibility Analysis – an analysis of crosswalk markings at signalized intersections to determine the need for restriping and enhancements to increase visibility for non-motorized traffic within crosswalk zones.
- 2045 Regional Long Range Transportation Plan (RLRTP) – development of a plan that updates the 2040 RLRTP and builds upon the adopted 2045 LRTPs of the St. Lucie TPO, Martin MPO, and Indian River MPO to provide for the efficient movement of people and goods throughout the region.
- TPO Community Awareness Campaign – development of new visualization tools in the TPO’s safety campaign.
- Speed Kills Analysis - a local examination of the link between vehicle speed and crash risk and severity.
- Electric Vehicle Charging Station Plan – development of criteria for siting electric vehicle charging stations and selection of appropriate locations based on the criteria.
- Transit Route Optimization Study – analysis of the potential to improve customer service and grow ridership on existing bus routes and new routes as identified in the TDP.
- Automated/Connected/Electric/Shared-Use (ACES) Vehicles for Transit Study – an update of the ACES Vehicles for Transit Study due to rapid changes in transportation technology since the Study’s completion in 2019.

- Local Metropolitan Planning Organization Advisory Council (MPOAC) Institute – a regional workshop for transportation partners interested in learning more about the metropolitan transportation planning process.
- SR-A1A South Causeway Bridge Bicycle Lane Pilot Project – further evaluation of adding bicycle lanes to the bridge and field testing a bicycle lane on the bridge on a temporary basis.
- St. Lucie Walk-Bike Network Facility Enhancements – could include the purchase of active/nonmotorized transportation infrastructure.
- St. Lucie Walk-Bike Network Update – an update to the inventory of pedestrian and bicycle facilities.

Subsequent to the advisory committee reviews, the draft UPWP will be submitted to the FDOT, FHWA, and FTA for their review and comment, and a public comment period will be initiated. The TPO Board will review the draft UPWP at its April meeting.

RECOMMENDATION

Because the comments received from the TPO Board, the advisory committees, and the public have been incorporated into the draft UPWP, it is recommended that the draft UPWP be recommended for adoption by the TPO Board.



Unified Planning Work Program (UPWP) Performance-Based Planning and Programming

FY 2020/21– FY 2021/22
(July 1, 2020 - June 30, 2022)

Catalog of Federal Domestic Assistance (CFDA) Numbers:
20.205 – Federal Highway Administration
20.505 - Federal Transit Administration

Funding for this Planning Work Program Provided By:
Federal Highway Administration
Federal Transit Administration
Florida Department of Transportation
Florida Commission for the Transportation Disadvantaged
St. Lucie County

Federal Aid Project Number: 0311-057
Financial Project Number: FM# 439326-3

Adopted on _____

_____, Chair

ACKNOWLEDGMENT: The preparation of the UPWP has been funded in part through grants from the Federal Highway Administration and Federal Transit Administration of the U.S. Department of Transportation (USDOT), under the Metropolitan Planning Program of the U.S. Code (Title 23, Section 104f). The contents of this report do not necessarily reflect the official views or policy of the USDOT.

TITLE VI STATEMENT: The St. Lucie TPO satisfies the requirements of various nondiscrimination laws and regulations including Title VI of the Civil Rights Act of 1964. Public participation is welcome without regard to race, color, national origin, age, sex, religion, disability, income, or family status. Persons wishing to express their concerns about nondiscrimination should contact Marceia Lathou, the Title VI/ADA Coordinator of the St. Lucie TPO, at 772-462-1593 or via email at lathoum@stlucieco.org.

Kreyòl Aysiyen: Si ou ta renmen resevwa enfòmasyon sa a nan lang Kreyòl Aysiyen, tanpri rele nimewo (772) 462-1593.

Español: Si usted desea recibir esta información en español, por favor llame al 772-462-1593.

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PLANNING ACTIVITIES
- APPENDIX E – STATEMENTS AND ASSURANCES

I. INTRODUCTION

Definition of the Unified Planning Work Program (UPWP)

In accordance with Federal Regulations 23 CFR 450 and Florida Statute 339.175(9), the UPWP for the St. Lucie Transportation Planning Organization (TPO) identifies the transportation planning budget, the priorities to be carried out, and the activities to be undertaken in the Metropolitan Planning Area (MPA) in fiscal years 2020/21 and 2021/22. The UPWP is developed based upon State and Federal regulations, Chapter 3 of the Florida Department of Transportation (FDOT) Metropolitan Planning Organization (MPO) Program Management Handbook, local needs, public input, and those activities required to ensure that a continuing, cooperative and comprehensive (3-C) approach to transportation planning is conducted.

The document is required for the TPO to receive Federal Highway Administration (FHWA), Federal Transit Administration (FTA), Florida Commission for the Transportation Disadvantaged (FCTD), and FDOT funds. At a minimum, the UPWP is required to include a description of the planning work and resulting products, the entities that will perform the work, time frames for completing the work, the cost of the work, and the sources of funds to support the work.

An Acronym List is provided in Appendix A.

Prior Efforts

A sampling of the activities conducted, the efforts performed, and the end products accomplished by the St. Lucie TPO during FY 2018/19 – FY 2019/20 includes the following:

Program Management

Legislative Priorities for 2019 and 2020

GIS and Data Management

Census Bureau Participant Statistical Areas Program (PSAP)

Traffic Count Management Program

Traffic Counts for 2018 and 2019

Long Range Transportation Plan (LRTP)

Go2040 LRTP Performance Measures and Report

Initiation of 2045 LRTP Development

Transit (Bus Operations) Planning

Transit Development Plan Major Update

Transit Development Plan Annual Progress Report

Technical Assistance to Transit Agencies

Transportation Improvement Program (TIP)

Transportation Alternatives Program (TAP) Administration

Interactive TIP for FY 2019/20 – FY 2023/24

List of Priority Projects (LOPP) for 2018/19 and 2019/20

FDOT Work Program Review for FY 2019/20 – FY 2023/24 and FY 2020/21 – FY 2024/25

Congestion Management Process (CMP)

2019 CMP Annual Report

Complete Streets Planning
Bicycle Facilities Map Update
East Coast Greenway/Florida SUN Trail Implementation

Safety and Security Planning
Security and Safety Issue Identification
Treasure Coast Community Traffic Safety Team Support
Continuity of Operations Plan (COOP) Activation and Management

Transportation Disadvantaged (TD) Program
Transportation Disadvantaged Service Plan (TDSP) Major Update
Local Coordinating Board for the Transportation Disadvantaged (LCB) Support

Freight Planning
Florida Statewide Freight Committee
St. Lucie Freight Network Management

Environmental Planning
Sea Level Rise Mapping

Automated/Connected/Electric/Shared-Use (ACES) Vehicles Planning
ACES Vehicle Recommendations for TDP Major Update

Regional Planning and Coordination
Treasure Coast Transportation Council Support
Transportation Regional Incentive Program (TRIP) Administration

Intergovernmental Planning and Coordination
Treasure Coast International Airport Master Plan Update Support
Treasure Coast International Airport Connector Study Support

Public Involvement, Education & Outreach
Public Participation Plan (PPP) Major Update

Additional activities conducted during FY 2018/19 – FY 2019/20 are summarized within the individual works tasks in Section III of the FY 2018/19 – FY 2019/20 UPWP.

Planning Priorities

The planning priorities to be addressed in FY 2020/21 and FY 2021/22 include:

- Project Advancement: Support the local agencies in advancing the implementation of projects in the 2045 LRTP, 2045 RL RTP, and TIP
- Previous Planning Efforts: Build upon and/or implement the results of previous UPWP planning efforts
- Safety and Security: Provide for the consideration and implementation of projects, strategies, and services that increase the safety and security of the transportation system
- Performance-Based Multimodal Planning and Programming: Continue to perform performance-based multimodal planning which increases mobility options and ensures the most efficient investment of federal transportation funds by linking investment priorities to the achievement of adopted targets

- Alternative Transportation Facilities: Support the provision of alternative transportation facilities including sidewalks, bike paths/lanes, and transit, port, airport and ACES infrastructure
- Regional Efforts: Build upon previous efforts and identify new opportunities for regional coordination and collaboration
- Public Involvement and Education: Continue to enhance public involvement and education
- Livability and Sustainability: Enhance the livability and sustainability of the local communities
- Transportation Demand Management: Support efficient travel behaviors

Through the tasks and activities represented in this UPWP, the TPO will continue to apply its priorities in a 3-C manner to assist in addressing local needs.

Planning Tasks to be Funded with FTA Funding

In accordance with FTA Circular 8100.1C Chapter II Part 4(d), the following planning tasks are identified to be partially funded with FTA Section 5305(d) funding:

- Task 1.1 Program Management
- Task 3.2 Transit Planning

These planning tasks are summarized in Section III of the UPWP.

State Support/Match for PL Planning Funds – Soft Match

As the match to receive Federal PL Planning funds for transportation planning, FDOT will provide funding, technical assistance, and training on transportation issues and administrative procedures to the TPO. FDOT provides a percentage (18.07 percent) matching share for FHWA PL funds utilized by the TPO. The match, as a FDOT-adopted policy, involves the use of Florida toll revenue credits as a “soft-match”, also known as a non-cash match, toward the non-federal matching share of Statewide and Metropolitan Planning (PL) funds. Support services provided by FDOT to the TPO include technical guidance and assistance and regular attendance at TPO Board, TAC, BPAC, TCCME, and LCB meetings.

Section 120 of Title 23, U.S.C., permits a state to use certain toll revenue expenditures as a credit toward the non-federal matching share of all programs authorized by Title 23, (with the exception of Emergency Relief Programs) and for transit programs authorized by Chapter 53 of Title 49, U.S.C. This is in essence a “soft-match” provision that allows the federal share to be increased up to 100% to the extent credits are available.

The “soft match” amounts being utilized to match the FHWA PL funding in the UPWP are calculated by dividing the total FHWA PL participation (also known as the total PL expenses) for each fiscal year by 4.534 and are identified as follows:

FY 2020/21	\$129,149
FY 2021/22	\$120,276

State Support/Match for Section 5305(d) Planning Funds

To receive FTA Section 5305(d) grants, FDOT and St. Lucie County provide a matching share for those funds. FDOT will provide cash and technical support services as the state's

matching share of FTA Section 5305(d) funds. Support services will include guidance and technical assistance to the TPO staff and attendance at meetings.

FY 2020/21 \$12,512 (allocated to Tasks 1.1 and 3.2)

FY 2021/22 \$12,512 (allocated to Tasks 1.1 and 3.2)

Agency Involvement in the Development of the UPWP

The UPWP is developed in cooperation with the member agencies of the TPO (Fort Pierce, Port St. Lucie, St. Lucie County, St. Lucie County School District, and a transit representative). In addition, the UPWP is developed in consultation with FHWA, FTA, FDOT, FCTD, the Federal Aviation Administration (FAA), and federal land management agencies. The UPWP is approved by the TPO Board and the appropriate state and federal agencies. In addition, the St. Lucie TPO coordinates the UPWP with the Martin and Indian River MPOs.

Public Involvement in the Development of the UPWP

The TPO uses the principles of environmental justice in the preparation of the UPWP and is responsive to Title VI of the Civil Rights Act of 1964 as well as the Moving Ahead for Progress in the 21st Century Act (MAP-21) and the Fixing America's Surface Transportation (FAST) Act. The draft UPWP is made readily available for public review through the St. Lucie TPO PPP, the TPO website, the CAC, BPAC, LCB, and TCCME members, an open public comment period, social media, and other means. An Example Public Comment Notice is provided in Appendix B.

The TAC, CAC, BPAC, LCB, and TCCME responded to a Call for UPWP projects at their respective meetings in November 2019 and December 2019. The TAC, CAC and BPAC reviewed the draft UPWP at their meetings in March 2020. Recommendations regarding UPWP projects, activities, and priorities from the TAC, CAC, BPAC, LCB, and TCCME and the general public are provided to the TPO Board. The broad range of input is reflected in the UPWP and other planning documents to be developed through the UPWP. A summary of the comments received and their incorporation into the UPWP is provided in Appendix C.

In addition, TPO staff coordinate with local government media specialists to continue taping and airing TPO meetings, where the UPWP is discussed and considered, on local government and public access television channels. TPO meeting broadcasts are available for viewing via a link from the TPO website and are closed-captioned for the hearing impaired.

Consistency with Other Plans

The UPWP is developed to be consistent with all applicable plans, including the growth management plans of the local governments within the MPA. The UPWP work products and tasks are designed to assist local governments by providing resources, such as data and maps that can be utilized in the comprehensive planning process. The TPO staff will contribute to and support local and state government planning efforts through the individual work tasks included in the UPWP. In addition, coordination and support will be continued through the TAC, CAC, BPAC, TCCME, and LCB.

Planning Factors and Task Matrix

Federal regulations require that the metropolitan transportation planning process shall be continuous, cooperative, and comprehensive, and provide for consideration and implementation of projects, strategies, and services that will address the following factors identified in 23 CFR 450.306(b):

1. Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;
2. Increase the safety of the transportation system for motorized and non-motorized users;
3. Increase the security of the transportation system for motorized and non-motorized users;
4. Increase accessibility and mobility of people and freight;
5. Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns;
6. Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
7. Promote efficient system management and operation;
8. Emphasize the preservation of the existing transportation system;
9. Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation; and
10. Enhance travel and tourism.

The inclusion of the Federal planning factors in the UPWP and in the metropolitan planning process is demonstrated through the use of the following matrix:

Work Element Tasks	MAP-21/FAST Act Planning Factors									
	1	2	3	4	5	6	7	8	9	10
1.1 Program Management	X	X	X	X	X	X	X	X	X	X
1.2 UPWP Development	X	X	X	X	X	X	X	X	X	X
2.1 Travel Demand Modeling		X	X	X	X		X		X	
2.2 GIS and Data Management		X	X	X	X		X		X	
2.3 Traffic Count Program Management	X	X		X	X		X		X	
2.4 Performance Measurement and Target Setting	X	X	X	X	X	X	X	X	X	X
3.1 Long Range Transportation Planning	X	X	X	X	X	X	X	X	X	X
3.2 Transit Planning	X	X	X	X	X	X	X	X	X	X
3.3 Transportation Improvement Program (TIP)	X	X	X	X	X	X	X	X	X	X
3.4 Congestion Management Process (CMP)	X	X	X	X	X		X	X	X	X
3.5 Complete Streets Planning	X	X		X	X	X	X	X	X	X
3.6 Freight Planning	X	X	X	X	X	X	X	X	X	
3.7 Safety and Security Planning		X	X						X	X
3.8 Transportation Disadvantaged (TD) Program	X	X		X	X	X	X		X	X
3.9 Environmental Planning	X	X	X	X	X	X	X	X	X	X
3.10 Automated/Connected/Electric/Shared-Use (ACES) Vehicles Planning	X	X	X	X	X	X	X	X	X	X
4.1 Models of Regional Planning Cooperation	X	X	X	X	X	X	X	X	X	X
4.2 Intergovernmental Planning and Coordination	X	X	X	X	X	X	X	X	X	X
5.1 Public Participation, Education & Outreach	X	X	X	X	X	X	X	X	X	X

(Note: An "x" in the box indicates that the UPWP task addresses the planning factor.)

FDOT Statewide Planning Emphasis Areas

In addition to incorporating the previously-summarized Federal Planning Factors, the TPO's UPWP incorporates the FDOT Statewide Planning Emphasis Areas which include coordination with rural government entities, implementation of transportation performance measures, and support for the adoption of connected vehicles and automated vehicles. While several UPWP tasks advance these emphasis areas, UPWP Tasks 2.4, 4.1, and 5.1 are dedicated to Performance Measurement and Target Setting, Automated Vehicles Planning, and Models of Regional Planning Cooperation, respectively.

The FDOT Statewide Planning Emphasis Areas are summarized in Appendix D.

II. ORGANIZATION AND MANAGEMENT

The St. Lucie TPO is the primary agency responsible for transportation planning for the MPA depicted below and was established under the federal requirements of 23 USC 134 for the utilization of federal transportation funds. The Board consists of ten (10) voting members representing the local governments within the MPA, one (1) voting member who represents the transit agency in the MPA, one (1) voting member who represents the school board, and a non-voting advisor from FDOT. The voting membership of the Board is apportioned as follows:

- Four (4) St. Lucie County Board of County Commissioners*
- Four (4) City of Port St. Lucie Councilmembers
- Two (2) City of Fort Pierce Commissioners
- One (1) St. Lucie County School Board member
- One (1) transit representative

*The District 5 St. Lucie County Commissioner also represents St. Lucie Village



Technical Advisory Committee (TAC)

The St. Lucie TPO has established a broad-based TAC composed of planners, engineers, and other appropriate professionals. The TAC was established for the purpose of advising and providing technical expertise to the St. Lucie TPO decision-making process for adopting and maintaining area-wide transportation plans, policies, and programs. The current TAC voting membership includes representation from municipal transportation, engineering, public safety, and land use agencies. In addition, the TAC includes representation from all modes of transportation and various levels of government and provides the opportunity for necessary staff coordination to achieve a unified transportation planning effort. The TAC consists of the following voting members:

- St. Lucie County Planning and Development Services Department
- Fort Pierce Planning Department
- Port St. Lucie Planning Department
- St. Lucie County Public Works Department
- Fort Pierce Engineering Department
- Port St. Lucie Public Works Department
- Treasure Coast International Airport
- St. Lucie County School District
- Transit Representative
- St. Lucie County Fire District
- St. Lucie TPO Area Freight Representative
- St. Lucie County Sheriff's Office
- St. Lucie County Transit Management

In addition, the TAC includes a non-voting advisor who is a representative of the FDOT.

Citizens Advisory Committee (CAC)

The St. Lucie TPO also has established a CAC designed to facilitate a broad range of citizen involvement in the transportation planning process. The purpose of the CAC is to seek citizen and community participation in the St. Lucie TPO decision-making process for adopting and maintaining area-wide transportation plans, policies, and programs; provide comment with respect to the concerns of various segments of the population; and recommend projects and funding allocations for consideration by the TPO Board. The CAC plays a significant role in implementing public involvement activities in the planning process. The St. Lucie TPO's CAC consists of the following voting members:

- Two (2) City of Fort Pierce Residents
- Two (2) City of Port St. Lucie Residents
- Two (2) Unincorporated St. Lucie County Residents
- Two (2) Minority Residents of St. Lucie County
- Two (2) At-Large Residents of St. Lucie County
- One (1) Disabled Resident of St. Lucie County

Bicycle-Pedestrian Advisory Committee (BPAC)

The St. Lucie TPO has established a BPAC to provide recommendations regarding the bicycle and pedestrian planning and programming activities for the St. Lucie TPO and to work with local and State government agencies to coordinate bicycle and pedestrian planning and programming activities. The St. Lucie TPO's BPAC consists of the following voting members:

- St. Lucie County Parks and Recreation Department
- City of Port St. Lucie Parks and Recreation Department
- City of Fort Pierce Public Works Department
- St. Lucie County Environmental Resources Department
- One (1) Resident of St. Lucie County Experiencing or Representing a Disability
- Two (2) Resident Bicycling Representatives
- Two (2) Resident Running/Hiking Representatives

In addition, the BPAC includes a non-voting advisor who is a representative of the FDOT.

Treasure Coast Corridor Management Entity (TCCME)

A Treasure Coast Corridor Management Entity (TCCME) agreement was established in 2004. The function of the TCCME is to explore available opportunities for enhancing the Treasure Coast corridor of the Florida Scenic Highway. The 19 members of the TCCME include representatives from the local jurisdictions and State and local agencies.

Local Coordinating Board for the Transportation Disadvantaged (LCB)

The Local Coordinating Board for the Transportation Disadvantaged (LCB) is appointed by the TPO, pursuant to Chapter 427, F.S., and Rule 41-2, F.A.C. The purpose of the LCB is to implement the duties described in Rule 41-2 as a part of the Florida Transportation Disadvantaged (TD) service delivery program which is incorporated into Task 3.8 of the UPWP. The LCB is made up of 18 representatives from various State and local agencies as well as citizen representatives. A member of the TPO Board is appointed annually to serve as the LCB Chair.

Treasure Coast Transportation Council (TCTC)

In 2006, the Treasure Coast Transportation Council (TCTC), consisting of two members each from the TPO, Indian River MPO, and Martin MPO, was created through an Interlocal Agreement. The Interlocal Agreement identifies the parties' "desire to create a formal mechanism to coordinate regional transportation planning activities" and "desire to participate cooperatively in identifying and selecting regional projects and programs for funding available for regional facilities including those funds that may be available through the State of Florida Transportation Regional Incentive Program (TRIP). A Treasure Coast Technical Advisory Committee (TCTAC) consisting of representatives from the TACs of the Martin MPO, St. Lucie TPO, and Indian River MPO was formed to provide technical and advisory support for the TCTC.

Metropolitan Planning Organization Advisory Council (MPOAC)

The St. Lucie TPO participates with the other Florida TPOs/MPOs in the statewide Metropolitan Planning Organization Advisory Council (MPOAC) which was established by state statute to allow TPOs/MPOs to advise on statewide plans and policies affecting MPOs. The MPOAC is responsible for providing input and recommendations to FDOT on transportation plans, programs, policies, and issues. In addition, the MPOAC also serves as a forum for the discussion and formulation of recommendations to other appropriate bodies on statewide transportation-related issues.

TPO Staff

St. Lucie TPO staff is the designated professional staff of the St. Lucie TPO and performs the work effort required to support the administration and management of a continuing,

cooperative, and comprehensive transportation planning process that results in the development of plans and programs which comply with MAP-21 and FAST Act requirements. The TPO is an autonomous legal entity. Federal assistance and coordination are provided primarily through FHWA and FTA. State assistance and coordination are provided through FDOT District 4.

Agreements

The TPO has executed the following agreements with State agencies and local governments to administer and facilitate the transportation planning process:

Interlocal Agreement for Creation of the Metropolitan Planning Organization

This agreement among FDOT and member agencies was executed in September 2006 to establish the St. Lucie TPO to implement and ensure a continuing, cooperative, and comprehensive metropolitan transportation planning process throughout the MPA and to assure eligibility for the receipt of federal transportation funds.

Interlocal Agreement for Administrative Support Services

This agreement between the TPO and St. Lucie County was executed in October 2009 for the provision by St. Lucie County of administrative support services to assist the TPO staff in managing the continuing, cooperative and comprehensive metropolitan transportation planning process.

MPO Agreement

This agreement between FDOT and the TPO is for the administration of all FHWA program funds (including PL) of the UPWP and identifies the responsibilities for cooperatively carrying out transportation planning and programming pursuant to Federal regulations and the terms and conditions upon which the funding will be provided.

Intergovernmental Coordination and Review and Public Transportation Coordination Joint Participation Agreement

This agreement among the TPO, St. Lucie County (public transit provider), FDOT, and the Treasure Coast Regional Planning Council (TCRPC) was executed in March 2007 and describes the means by which activities will be coordinated, specifies how transportation planning and programming will be part of the comprehensively planned development of the MPA, and identifies the mutual responsibilities of the parties in carrying out the metropolitan transportation planning process.

Public Transportation Joint Participation Agreement

This agreement between the FDOT and the TPO was executed in October 2015 to provide FTA Section 5305(d) funding to the TPO for the undertaking of technical studies and to implement specific tasks and activities of the UPWP as described in Tasks 1.1 and 3.2.

Interlocal Agreement Creating the Treasure Coast Transportation Council

This agreement among the St. Lucie TPO, Indian River MPO, and Martin MPO was executed in April 2006 to create and provide a separate administrative entity to coordinate regional transportation planning activities and to participate cooperatively in identifying and selecting regional facilities for funding available through TRIP (Transportation Regional Incentive Program).

Operational Procedures & Bylaws

The TPO operates under a set of bylaws adopted in October 2009 and most-recently amended in February 2016. While St. Lucie County provides administrative support services such as legal, financial, purchasing, and other services to the TPO, the TPO is a separate legal entity and autonomous from St. Lucie County. The TPO operates under rules and procedures consistent with State and Federal rules and law. The TPO operational procedures fully comply with the Public Records Laws and the Sunshine Laws of the State of Florida and the federal government. The TPO's official records are maintained in the TPO Offices located at 466 SW Port St. Lucie Blvd, Suite 111, Port St. Lucie, FL 34953. The TPO records are available for public inspection during normal business hours.

Statements, Certifications and Assurances

On an annual basis, the State and the TPO are required to certify to the FHWA and FTA that the planning process is addressing the major issues facing the MPA and that it is being conducted in accordance with the following applicable requirements:

- § Title 23 USC Section 134 (Metropolitan Planning)
- § Section 5305(d) of the Federal Transit Act
- § Title 23 Section 450.334 of the Code of Federal Regulations (Certification)
- § Sections 174 and 176 (c) & (d) of the Clean Air Act,
- § Title VI of the Civil Rights Act of 1964 and the Title VI assurance executed by the State,
- § Provisions of MAP-21/FAST Act and corresponding federal regulations, and
- § Current provisions of the Americans with Disabilities Act (ADA) of 1990 and the US DOT regulations.

On a quadrennial basis, FHWA and FTA conduct federal certification reviews of TPOs designated for census urbanized areas that also are TMAs. Such reviews for the St. Lucie TPO and Martin MPO, both designated for the Port St. Lucie TMA, were last completed in September 2017 and ultimately resulted in Federal certification for the St. Lucie TPO with no Corrective Actions and five Noteworthy Practices being identified for the St. Lucie TPO.

Appendix E contains the Statements and Assurances of the St. Lucie TPO including the Debarment and Suspension Certification, Disadvantaged Business Enterprise (DBE) Utilization Statement, Lobbying Certification, and the Title VI Nondiscrimination Policy Statement.

III. WORK PROGRAM ELEMENTS AND TASKS

The work program is divided into the following major elements and specific work tasks are discussed in detail within each major element.

ELEMENT 1: PROGRAM ADMINISTRATION

ELEMENT 2: MODELING, GIS, DATA MANAGEMENT, MONITORING, AND PERFORMANCE MEASUREMENT

ELEMENT 3: RECURRING AND SYSTEMS PLANNING

ELEMENT 4: REGIONAL AND INTERGOVERNMENTAL PLANNING AND COORDINATION

ELEMENT 5: PUBLIC INVOLVEMENT, EDUCATION & OUTREACH

ELEMENT 1: PROGRAM ADMINISTRATION

Element 1 includes the work tasks necessary to manage the transportation planning process on a continuing, comprehensive, and cooperative basis including program management, office rent and operations, meeting facilitation and support, grants and contracts administration, quarterly reporting, certification and auditing, staff education, training, and travel, UPWP development and review, development of legislative priorities, legal services, and State support. Specific work tasks are listed below and described on the following pages.

Task 1.1 Program Management

Task 1.2 UPWP Development

Task 1.1 Program Management	
Purpose:	To coordinate, administer, and manage a continuing, comprehensive, and cooperative transportation planning process for the MPA of the St. Lucie TPO.
Previous Work Completed:	<p>The TPO staff provided technical and administrative support to and facilitated the meetings for the TPO Board and TAC. The staff coordinated, administered, and managed the planning activities to meet the requirements of TPO agreements and other rules and regulations to ensure a continuing, cooperative and comprehensive transportation planning process. The operations included personnel administration and the filling of any staff vacancies and continually reviewing staff organization in order to assure implementation of the UPWP. In addition, work files, computers, audio-visual equipment and other office equipment were maintained.</p> <p>The staff also prepared the various documents including quarterly progress reports and financial records needed to assure State and Federal transportation funding, and maintained liaison with the appropriate agencies. TPO Agreements and By-Laws were updated as needed and legislative priorities were developed, using local funds, and adopted annually by the TPO Board. Staff participated in the FHWA/MPO/FDOT Statewide Video Conferences and performed the Annual Joint Certification Process with FDOT. TPO representatives attended meetings of the MPOAC, National Association of Reginal Councils (NARC), Association of MPOs (AMPO), and associated subcommittees. Workshops and training sessions were attended to facilitate the above activities and to support addressing the planning priorities in a variety of technical areas including scenario planning, freight planning, travel demand management, transportation data management and modeling, and community livability/sustainability.</p>
Required Activities:	<ul style="list-style-type: none"> • Provide technical assistance and support to the TPO Board and TAC including the preparation of meeting agendas, minutes, notices, etc. • Provide grants and contracts administration, update interlocal agreements as necessary, and maintain financial records including an annual financial audit as required by State and Federal regulations which may be conducted concurrently with St. Lucie County's annual financial audit • Prepare quarterly progress reports and invoices for the FDOT • Participate in the annual joint certification review process with the FDOT • Participate in the federal certification review process with the FDOT and the FHWA • Conduct a local MPOAC Institute training workshop • Participate in FHWA/MPO/FDOT Statewide Conferences which may include travel • Attend meetings, which may include travel, of the MPOAC, NARC, AMPO, associated subcommittees, and other related or relevant organizations and agencies • Prepare, using local funds, legislative priorities annually for consideration by the TPO Board • Attend professional workshops and training programs, which may include travel, with regard to professional trade associations, geographic information systems, transportation planning, congestion management, public involvement, FDOT/FHWA requirements, freight planning, travel demand management and modeling, community livability/sustainability, and other relevant subjects • Maintain computer stations and work files and other office equipment • Manage payments of office rent and associated office expenses

End Product:	Completion Date:	Responsible Agencies: St. Lucie TPO Participating Agencies: FHWA, FDOT, St. Lucie County
2021 Legislative Priorities (uses local funds only)	December 2020	
2022 Legislative Priorities (uses local funds only)	October 2021	
2021 Annual Joint Certification Review	May 2021	
2022 Annual Joint Certification Review	May 2022	
Local MPOAC Institute workshop	June 2022	
Federal Certification Review	April 2021	

Task 1.1 Program Management Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	STBG	TPO Local	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$169,552	\$0	\$2,000	\$15,480	\$1,935	\$1,935	\$190,902
	Subtotal:	\$169,552	\$0	\$2,000	\$15,480	\$1,935	\$1,935	\$190,902
B. Consultant Services:								
	Contract/Consultant Serv. ¹	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
	Subtotal:	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
C. Travel:								
	Travel Expenses	\$6,200	\$0	\$0	\$0	\$0	\$0	\$6,200
	Subtotal:	\$6,200	\$0	\$0	\$0	\$0	\$0	\$6,200
D. Other Direct Expenses:								
	Advertising	\$3,800	\$0	\$0	\$0	\$0	\$0	\$3,800
	Building Rental	\$64,306	\$0	\$0	\$25,600	\$3,200	\$3,200	\$96,306
	Books & Subscriptions	\$225	\$0	\$0	\$0	\$0	\$0	\$225
	Communications	\$400	\$0	\$0	\$480	\$60	\$60	\$1,000
	Equipment < \$1000	\$1,000	\$0	\$0	\$0	\$0	\$0	\$1,000
	Equipment Rental	\$1,900	\$0	\$0	\$480	\$60	\$60	\$2,500
	General & Admin Charges ²	\$49,000	\$0	\$0	\$0	\$0	\$0	\$49,000
	Office Supplies	\$3,500	\$0	\$0	\$0	\$0	\$0	\$3,500
	Operating Supplies	\$800	\$0	\$0	\$960	\$120	\$120	\$2,000
	Postage & Freight	\$130	\$0	\$0	\$0	\$0	\$0	\$130
	Supplies-Computer	\$500	\$0	\$0	\$0	\$0	\$0	\$500
	Training & Seminars	\$1,750	\$0	\$0	\$0	\$0	\$0	\$1,750
	Utilities	\$2,500	\$0	\$0	\$2,000	\$250	\$250	\$5,000
	Subtotal:	\$129,811	\$0	\$0	\$29,520	\$3,690	\$3,690	\$166,711
	Total:	\$325,563	\$0	\$2,000	\$45,000	\$5,625	\$5,625	\$383,813

^{1,2}See the next page for an explanation of these expenses.

Task 1.1 Program Management Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	STBG	TPO Local	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$128,428	\$0	\$2,000	\$14,580	\$1,822	\$1,822	\$148,652
	Subtotal:	\$128,428	\$0	\$2,000	\$14,580	\$1,822	\$1,822	\$148,652
B. Consultant Services:								
	Contract/Consultant Services ¹	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
	Subtotal:	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
C. Travel and Seminar Registration:								
	Travel Expenses	\$9,200	\$0	\$0	\$0	\$0	\$0	\$9,200
	Subtotal:	\$9,200	\$0	\$0	\$0	\$0	\$0	\$9,200
D. Other Direct Expenses:								
	Advertising	\$3,800	\$0	\$0	\$0	\$0	\$0	\$3,800
	Building Rental	\$66,200	\$0	\$0	\$26,500	\$3,313	\$3,313	\$99,326
	Books & Subscriptions	\$225	\$0	\$0	\$0	\$0	\$0	\$225
	Communications	\$400	\$0	\$0	\$480	\$60	\$60	\$1,000
	Equipment < \$1000	\$1,000	\$0	\$0	\$0	\$0	\$0	\$1,000
	Equipment Rental	\$1,900	\$0	\$0	\$480	\$60	\$60	\$2,500
	General & Administrative Charges ²	\$49,000	\$0	\$0	\$0	\$0	\$0	\$49,000
	Office Supplies	\$3,500	\$0	\$0	\$0	\$0	\$0	\$3,500
	Operating Supplies	\$800	\$0	\$0	\$960	\$120	\$120	\$2,000
	Postage & Freight	\$130	\$0	\$0	\$0	\$0	\$0	\$130
	Supplies-Computer	\$500	\$0	\$0	\$0	\$0	\$0	\$500
	Training and Seminars	\$14,750	\$0	\$0	\$0	\$0	\$0	\$14,750
	Utilities	\$2,500	\$0	\$0	\$2,000	\$250	\$250	\$5,000
	Subtotal:	\$144,705	\$0	\$0	\$30,420	\$3,803	\$3,803	\$182,731
	Total:	\$302,333	\$0	\$2,000	\$45,000	\$5,625	\$5,625	\$360,583

¹Contract/Consultant Services include custodial, security, and meeting support/meeting summary preparation services.

²General and Administrative Charges are the direct expenses charged by St. Lucie County for the provision of administrative support services which include procurement/purchasing, finance, human resources, information technology, insurance coverage, and legal services.

Task 1.2 UPWP Development		
Purpose:		
To implement the FY 2020/21 – FY 2021/22 UPWP and develop the FY 2022/23 – FY 2023/24 UPWP consistent with Federal and State requirements.		
Previous Work Completed:		
Implementation of the FY 2018/2019 – FY 2019/2020 UPWP and all required budget revisions and amendments. Coordination with Martin and Indian River MPOs on the implementation and development of their respective UPWPs.		
Required Activities:		
<ul style="list-style-type: none"> • Implement the 2020/2021 – FY 2021/2022 UPWP • Develop the FY 2022/2023 – FY 2023/2024 UPWP • Process amendments to the adopted UPWP as necessary • Process budget revisions to the adopted UPWP as necessary • Coordinate with neighboring MPOs 		
End Product:	Completion Date:	Responsible Agency: St. Lucie TPO Participating Agencies: FDOT, FHWA, FTA, FAA, and local governments
FY 2022/23 – FY 2023/24 UPWP Kickoff Meeting	January 2022	
Review by Advisory Committees & Board	March/April 2022	
Transmittal to FDOT	March 2022	
Public Comment Period	March/April 2022	
Adoption by Board	April 2022	
Transmittal to FHWA & FTA	May 2022	
UPWP Amendments	As needed	

Task 1.2 UPWP Development Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$2,500	\$0	\$0	\$0	\$0	\$0	\$2,500
	Subtotal:	\$2,500	\$0	\$0	\$0	\$0	\$0	\$2,500
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$2,500	\$0	\$0	\$0	\$0	\$0	\$2,500

Task 1.2 UPWP Development Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
	Subtotal:	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000

ELEMENT 2: MODELING, GIS, DATA MANAGEMENT, AND PERFORMANCE MEASUREMENT

Element 2 includes the work tasks necessary to collect, monitor, and manage area travel characteristics and factors affecting travel such as socioeconomic and land use data, transportation system data, and other data concerns and issues. In addition, Element 2 includes efforts to improve the quality of the data and the collection and monitoring processes, to enhance travel demand modeling, to manage the Traffic Count Program, and to incorporate performance measurement and target setting. Specific work tasks are listed below and described on the following pages.

- Task 2.1 Travel Demand Modeling
- Task 2.2 GIS and Data Management
- Task 2.3 Traffic Count Program Management
- Task 2.4 Performance Management

Task 2.1 Travel Demand Modeling		
Purpose:		
To ensure the highest quality of travel demand modeling used by the continuing, cooperative and comprehensive transportation planning processes upon which decision making is based.		
Previous Work:		
The Treasure Regional Planning Model (TCRPM) was employed for transportation planning by the TPO and Indian River and Martin MPOs. The TCRPM version 5 was developed and will be utilized to support several tasks including development of the 2045 LRTP and 2045 RL RTP. TCRPM is based on the activity based modeling approach, and the TPO regularly hosted the model development meetings for the TCRPM. In addition, TPO staff participated on the Statewide Modeling Task Force (MTF) and the Florida Standard Urban Transportation Model Structure (FSUTMS) Users Group. Staff also provided guidance on regional modeling projects.		
Required Activities:		
<ul style="list-style-type: none"> • Coordinate operation of TCRPM with FDOT, Indian River and Martin MPOs • Participate in regional modeling activities that include model improvements; travel and other data collection, compilation and development; model estimation, calibration, validation and sensitivity tests; and associated model support services. • Utilize the TCRPM to support, when applicable, UPWP tasks such as regional and intergovernmental planning and coordination. • Participate in MTF and regional modeling activities 		
End Product:	Completion Date:	Responsible Agency: St. Lucie TPO Participating Agencies: Indian River MPO, Martin MPO, and FDOT
2045 LRTP modeling activities	February 2021	
2045 RL RTP modeling activities	June 2022	

Task 2.1 Travel Demand Modeling Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000
	Subtotal:	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000

Task 2.1 Travel Demand Modeling Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000
	Subtotal:	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000

Task 2.2 GIS and Data Management		
Purpose:		
To ensure the highest quality of data used by the continuing, cooperative, and comprehensive transportation planning processes to support decision-making.		
Previous Work:		
<p>The TPO continued to coordinate activities related to land use and socioeconomic data collection and analysis and assisted in the maintenance of GIS layers. In addition, the TPO participated in the identification of demographic changes that impact traffic operations and projections and travel demand. These efforts continued to be coordinated with the Martin and Indian River MPOs.</p> <p>A TPO staff member was assigned as the primary participant for the Census Bureau's Participant Statistical Areas Program (PSAP). Staff reviewed and updated selected TPO area statistical area boundaries for 2020 Census data tabulation following U.S. Census Bureau guidelines and criteria. The Census Bureau will use the statistical areas defined for the 2020 Census to tabulate data for the annual American Community Survey (ACS) estimates and the Economic Census.</p> <p>The TPO continued to coordinate data collection and monitoring activities in support of Intelligent Transportation System (ITS) infrastructure, such as the St. Lucie Advanced Transportation Management System (ATMS), and related to land use and socioeconomic data collection and analysis.</p> <p>To ensure the accuracy and relevance of geo-spatial data used for impact analysis, mapping, and decision making, TPO staff continued to monitor Federal, State, and local GIS geo-spatial databases.</p>		
Required Activities:		
<ul style="list-style-type: none"> • GIS and data monitoring, updates, maintenance, and coordination • ITS/St. Lucie ATMS implementation • Bicycle-Pedestrian counts: partnering with local jurisdictions in the development of new sets of previously-uncollected data that will be used to evaluate the bicycle and pedestrian use of the transportation network, identify deficiencies and needed improvements, and prioritize projects. This may include assisting with the purchase of data collection technology endorsed by the FDOT Transportation Data Office. • Support local enumeration efforts for the 2020 Census. • Explore possibilities for presenting the TPO area's multi-modal transportation network in 3D to promote public involvement and enable viewers to visualize layers, features, and linked information in 3D. 		
End Product:	Completion Date:	Responsible Agency:
Presentation of 3D animation showing proposed multi-modal transportation connectivity	June 2021	St. Lucie TPO Participating Agencies: FDOT, City of Fort Pierce, City of Port St. Lucie, St. Lucie County

Task 2.2 GIS and Data Management Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
	Subtotal:	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000

Task 2.2 GIS and Data Management Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
	Subtotal:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000

Task 2.3 Traffic Count Program Management		
Purpose:		
To collect, monitor, and manage the highest quality of current traffic data on the public roadway network within the MPA.		
Previous Work:		
<p>The TPO continued to collect and manage the Traffic Count Program through the Traffic Count Data Management System (TCDMS) and acted as a clearinghouse for the collection and management of all traffic counts performed in the MPA by the cities, County, and FDOT. The Fall 2018 and Fall 2019 Traffic Counts were collected and uploaded into the TCDMS, and the resulting reports were published online. The reports were also provided to FDOT, local governments, private consulting firms, and the public upon request.</p> <p>The Level of Service Analysis System (LOSAS) was updated to reflect FDOT's updated methodology of performing roadway level-of-service analyses based on posted speed limits rather than traffic signal density.</p>		
Required Activities:		
<ul style="list-style-type: none"> • Manage and fund the Traffic Count Program. At the present time, none of the local jurisdictions maintains a formal traffic count program and continuation of the Traffic Count Program is necessary to monitor the performance of road segments for transportation planning purposes. • Collect and manage the Traffic Counts Program through the TCDMS and act as a clearinghouse for the collection and management of all traffic counts performed in the MPA by the Cities, County, and FDOT. • Maintain the LOSAS to evaluate the congestion and operating condition of the roadway network and produce an Annual Level of Service Report. • Continue to manage and fund the Traffic Count Program until an agreement to share the cost between the TPO and the local governments is appropriate to fund the program in future years. Such an agreement would need to be approved by the elected boards of the local governments. • Manage consultant services for traffic counts, LOSAS and TCDMS. 		
End Product:	Completion Date:	Responsible Agency: St. Lucie TPO Participating Agencies: FDOT, City of Fort Pierce, City of Port St. Lucie, St. Lucie County
2020 Traffic Count and LOS Report	January 2021	
2021 Traffic Count and LOS Report	January 2022	

Task 2.3 Traffic Count Program Management Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$0	\$0	\$10,000	\$0	\$0	\$0	\$10,000
	Subtotal:	\$0	\$0	\$10,000	\$0	\$0	\$0	\$10,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$35,000	\$0	\$0	\$0	\$35,000
	Subtotal:	\$0	\$0	\$35,000	\$0	\$0	\$0	\$35,000
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$0	\$0	\$45,000	\$0	\$0	\$0	\$45,000

Task 2.3 Traffic Count Program Management Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$0	\$0	\$15,000	\$0	\$0	\$0	\$15,000
	Subtotal:	\$0	\$0	\$15,000	\$0	\$0	\$0	\$15,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$40,000	\$0	\$0	\$0	\$40,000
	Subtotal:	\$0	\$0	\$40,000	\$0	\$0	\$0	\$40,000
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$0	\$0	\$55,000	\$0	\$0	\$0	\$55,000

Task 2.4 Performance Management		
Purpose:		
To ensure the most efficient investment of Federal transportation funds by linking investment priorities to the achievement of adopted targets		
Previous Work:		
<p>The TPO continued to incorporate performance management as a strategic approach that includes performance measurement and target setting to connect investment and policy decisions to help achieve performance goals. Performance measures are quantitative criteria used to evaluate progress. Performance measure targets are the benchmarks against which collected data is gauged.</p> <p>The TPO and the transit provider cooperatively established targets for the State of Good Repair performance measures. FDOT established targets for the safety, bridge and pavement, and system performance measures, and the TPO chose to support FDOT's targets. The strategies and investments used to meet the targets were identified and reported by FDOT through its Highway Safety Improvement Program, and the TPO reported its targets to FDOT.</p>		
Required Activities:		
<ul style="list-style-type: none"> • Support FDOT targets or establish own performance measurement targets for targets for safety, system performance, bridge and pavement performance measures • Obtain local data or data from FDOT for performance measurement • Track progress toward meeting targets based on the data obtained and report to FDOT • Continue to coordinate with FDOT and transit providers to take action on the additional targets and other requirements of the Federal performance management process 		
End Product:	Completion Date:	Responsible Agency: St. Lucie TPO
Set 2021 performance targets and report to FDOT	February 2021	
Set 2022 performance targets and report to FDOT	February 2022	Participating Agencies: FDOT

Task 2.4 Performance Measurement and Target Setting Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
	Subtotal:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000

Task 2.4 Performance Measurement and Target Setting Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
	Subtotal:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000

ELEMENT 3: RECURRING AND SYSTEMS AND PROJECT PLANNING

Element 3 includes the systems planning and recurring planning activities. Specific work tasks are listed below and described on the following pages.

- Task 3.1 Long Range Transportation Planning
- Task 3.2 Transit Planning
- Task 3.3 Transportation Improvement Program (TIP)
- Task 3.4 Congestion Management Process (CMP)
- Task 3.5 Complete Streets Planning
- Task 3.6 Freight Planning
- Task 3.7 Safety and Security Planning
- Task 3.8 Transportation Disadvantaged (TD) Program
- Task 3.9 Environmental Planning
- Task 3.10 Automated/Connected/Electric/Shared-Use (ACES) Vehicles
Planning

Task 3.1 Long Range Transportation Planning		
Purpose:		
To develop a 2045 Long Range Transportation Plan (LRTP) while continuing to implement the Go2040 LRTP and the 2040 Treasure Coast Regional LRTP (RLRTP) which provide for the development, management, and operation of multimodal transportation systems and considers and/or integrates facilities that serve national, statewide, or regional transportation functions.		
Previous Work:		
The TPO initiated the development of the 2045 LRTP which incorporates livability initiatives to improve mobility and quality of life through improvements that support multiple transportation modes. The Plan will also incorporate Safety, Security, and Congestion Elements that inform other tasks of the UPWP.		
The TPO processed one amendment to GO2040LRTP and continue to implement the Go2040 LRTP and the 2040 RLRTP, which focuses on regional issues/projects, was completed and complements the Go2040 LRTP.		
Performance measures developed for the Go2040 LRTP were monitored and reviewed on an annual basis. MAP-21/FAST Act performance measures were reviewed, and FAST Act requirements with the corresponding rules promulgated were analyzed.		
Coordination occurred with state, regional, and local agencies to identify and prioritize projects which increase mobility options as part of the U.S. 1 Corridor Retrofit Project.		
The TPO participated with FDOT in the major update process for the Strategic Intermodal System (SIS) Unfunded Needs and Cost Feasible Plans.		
Required Activities:		
<ul style="list-style-type: none"> • 2045 LRTP development • 2045 LRTP Program Project Development: conceptualizing individual projects that address transportation issues and developing the purpose and need for the project to advance its development • Go2040 LRTP amendment and implementation • Participation in FTP and SIS Plan implementation and updates 		
End Product:	Completion Date:	Responsible Agencies:
2045 LRTP with TIP/LRTP Performance Report	February 2021	St. Lucie TPO Participating Agencies: FDOT, FTA, FHWA, St. Lucie County, City of Fort Pierce, City of Port St. Lucie, Martin MPO, and Indian River MPO

Task 3.1 Long Range Transportation Planning Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$20,000	\$0	\$25,000	\$0	\$0	\$0	\$45,000
	Subtotal:	\$20,000	\$0	\$25,000	\$0	\$0	\$0	\$45,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$150,000	\$0	\$0	\$0	\$150,000
	Subtotal:	\$0	\$0	\$150,000	\$0	\$0	\$0	\$150,000
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$20,000	\$0	\$175,000	\$0	\$0	\$0	\$195,000

Task 3.1 Long Range Transportation Planning Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
	Subtotal:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000

Task 3.2 Transit Planning

Purpose:

To provide technical assistance and guidance to the transit providers within the MPA and the region, to support public transportation planning and transit grant administration activities, and to develop and implement analytical methods to identify gaps in the connectivity of the transportation system and develop infrastructure and operational solutions that provide the public, especially traditionally underserved populations, with adequate access to essential services.

Previous Work:

Intermodal planning and coordination was supported through transit planning activities such as Travel Demand Management (TDM) strategies with Martin and Indian River MPOs and South Florida Commuter Services (SFCS).
 The TPO coordinated and facilitated a Park & Ride Lot Program by building upon the results of previous planning efforts. Development of the I-95/Gatlin Boulevard Jobs Express multimodal terminal continued. The TPO Board approved the Scope of Services for the Jobs Express Terminal Connectivity Study which analyzed multimodal connections to the Terminal.
 The TPO Board endorsed the Transit Development Plan (TDP) Major Update, the transit provider’s planning, development, and operational guidance document. The transit provider’s TDP Major Update was prepared in-house with limited consultant assistance.
 Other transit planning activities that were continued included providing technical and planning assistance to the County and the Transit Operator in order to maintain the County’s eligibility for the continued receipt of federal and state transit grant funds. Staff assisted in the development of a TDP Annual Progress Report and first/last mile transit solutions. The performance of the transit system was monitored on an ongoing basis. Potential impacts caused by the extension of passenger rail service were monitored. The coordination of specialized transportation services continued through quarterly transit meetings.

Required Activities:

- Provision of technical assistance to the transit providers
- Transit Development Plan (TDP) Annual Progress Reports
- Micro-Mobility Study - an analysis of the deployment of micro-transit, e-scooters, car sharing, and bike sharing in three areas identified in the TDP.
- Transit Route Optimization Study -analysis of the potential to improve customer service and grow ridership on existing bus routes and new routes as identified in the TDP.
- Support of intermodal planning, travel demand management, and transit planning coordination including implementation of the SFCS Workplan
- Park and ride lot program planning
- Passenger rail service program planning which may include a public opinion survey on the need for a passenger rail station in St. Lucie County

End Product:	Completion Date:	Responsible Agencies:
TDP Annual Progress Report	September 2020	St. Lucie TPO
TDP Annual Progress Report	September 2021	Participating Agencies: FTA, FDOT, St. Lucie County, Martin MPO, Indian River MPO, City of Fort Pierce, City of Port St. Lucie
Transit Route Optimization Study	June 2021	
Micro-Mobility Study	June 2022	

Task 3.2 Transit Planning Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$15,000		\$50,000	\$55,094	\$6,887	\$6,887	\$133,868
	Subtotal:	\$15,000		\$50,000	\$55,094	\$6,887	\$6,887	\$133,868
B. Consultant Services:								
	Contract/Consultant Services	\$0		\$30,000	\$0	\$0	\$0	\$30,000
	Subtotal:	\$0		\$30,000	\$0	\$0	\$0	\$30,000
C. Travel:								
	Travel Expenses	\$0		\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0		\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
	Subtotal:	\$0		\$0	\$0	\$0	\$0	\$0
	Total:	\$15,000		\$80,000	\$55,094	\$6,887	\$6,887	\$163,868

Task 3.2 Transit Planning Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$10,000	\$0	\$50,000	\$55,094	\$6,887	\$6,887	\$128,868
	Subtotal:	\$10,000	\$0	\$50,000	\$55,094	\$6,887	\$6,887	\$128,868
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$30,000	\$0	\$0	\$0	\$30,000
	Subtotal:	\$0	\$0	\$30,000	\$0	\$0	\$0	\$30,000
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$10,000	\$0	\$80,000	\$55,094	\$6,887	\$6,887	\$158,868

Task 3.3 Transportation Improvement Program (TIP)

Purpose:

To annually coordinate, update, and maintain the five-year TIP which reflects Federal, State, and local funding and identifies all Federal, State, and locally funded transportation improvements within the TPO area.

Previous Work:

The TIP continued to be developed annually based on the LRTP, TDP, CMP, bicycle/pedestrian plans, airport and port plans, the Transportation Alternatives (TA) Project Prioritization Methodology, and other planning activities as necessary. The development of the TIP included the preparation of the List of Priority Projects (LOPP) which prioritizes roadway, transit, and CMP. The LOPP was prepared based on input from local agencies including transit, FDOT, and the public.

The Draft Tentative Work Program was reviewed to ensure consistency with the LOPP and the LRTP and was considered by the TPO advisory committees and Board for endorsement. FDOT's Final Tentative Work Program and the Annual Publication of Obligated Federal Projects was incorporated into the TIP.

The TIP was adopted by the Board after a public comment period and review of the draft TIP by the advisory committees, and the Interactive TIP subsequently was launched. The Interactive TIP was maintained, and the TPO coordinated with FDOT to amend the TIP and process STIP amendments as needed. A consultant was utilized for maintenance of the Interactive TIP.

Conceptual project development continued. The TPO continued to play primary roles in the completion of PD&E Studies for Port St. Lucie Boulevard, SR-A1A North Causeway Bridge, and other projects derived from the LRTP.

Required Activities:

- Development of the LOPP
- Development of the TIP with TIP/LRTP Performance Report and TIP/STIP amendments
- Maintenance of the Interactive TIP
- Participation in PD&E studies for projects derived from the LRTP

End Product:	Completion Date:	Responsible Agency: St. Lucie TPO Participating Agencies: FDOT, City of Port St. Lucie, St. Lucie County, City of Fort Pierce, School District
Submittal of 2020/21 LOPP to FDOT	September 2020	
Review/Endorsement of FDOT's Five-Year Work Program	December 2020	
FY 2021/22 – FY 2025/26 TIP Adoption & Interactive TIP Update	June 2021	
Annual Publication of Obligated Federal Projects	June 2021	
Submittal of 2021/22 LOPP to FDOT	September 2021	
Review/Endorsement of FDOT's Five-Year Work Program	December 2021	
FY 2022/23 – FY 2026/27 TIP Adoption & Interactive TIP Update	June 2022	
Annual Publication of Obligated Federal Projects	June 2022	

Task 3.3 Transportation Improvement Program (TIP) Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$35,000	\$0	\$0	\$0	\$0	\$0	\$35,000
	Subtotal:	\$35,000	\$0	\$0	\$0	\$0	\$0	\$35,000
B. Consultant Services:								
	Contract/Consultant Services	\$7,500	\$0	\$0	\$0	\$0	\$0	\$7,500
	Subtotal:	\$7,500	\$0	\$0	\$0	\$0	\$0	\$7,500
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$42,500	\$0	\$0	\$0	\$0	\$0	\$42,500

Task 3.3 Transportation Improvement Program (TIP) Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	TOTAL
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$35,000	\$0	\$0	\$0	\$0	\$0	\$35,000
	Subtotal:	\$35,000	\$0	\$0	\$0	\$0	\$0	\$35,000
B. Consultant Services:								
	Contract/Consultant Services	\$8,000	\$0	\$0	\$0	\$0	\$0	\$8,000
	Subtotal:	\$8,000	\$0	\$0	\$0	\$0	\$0	\$8,000
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$43,000	\$0	\$0	\$0	\$0	\$0	\$43,000

Task 3.4 Congestion Management Process (CMP)		
Purpose:		
To maintain and monitor the CMP and identify and prioritize CMP projects for the FDOT Work Program and the TPO LOPP and TIP.		
Previous Work:		
<p>The CMP Implementation Plan prioritizes projects which address identified congestion and safety issues using one or more “quick-fix” strategies. An Annual CMP Report was completed to update congestion and safety issues and explore strategies to address areas of concern. In coordination with FDOT Traffic Operations, the CMP and its Implementation Plan were utilized to allocate the TPO’s CMP box funds of \$300,000-\$400,000 annually. The CMP was also used for the annual development of the LOPP, TIP, and Work Program, and for ongoing project prioritization as needed in coordination with FDOT Traffic Operations.</p> <p>The Go2040 LRTP included a preliminary screening of congested facilities for potential CMP concerns to serve as the basis of a CMP Major Update, which was initiated in 2017. The Major Update involved two phases. Phase I was completed and identified roadway corridors and intersections for further analysis. During Phase II, these corridors and intersections were studied, congestion mitigation strategies were identified, and a prioritized list of projects or strategies was prepared for the allocation of the TPO’s CMP Box Funds. Mid-day traffic congestion was identified to be an issue on St. Lucie West Boulevard, one of the segments being analyzed as part of the CMP Major Update.</p> <p>The St. Lucie ATMS Master Plan continued to be implemented.</p>		
Required Activities:		
<ul style="list-style-type: none"> • CMP Project coordination and prioritization • CMP Annual Report which evaluates the performance of the CMP • ATMS Master Plan Implementation through participation, including attending project progress meetings, with FDOT and FDOT’s consultant in the implementation of Phase I of the ATMS Master Plan; coordination with local agencies; and the development and prioritization of subsequent phases in the TPO’s LOPP 		
End Product:	Completion Date:	Responsible Agencies: St. Lucie TPO Participating Agencies: FDOT, City of Fort Pierce, City of Port St. Lucie, St. Lucie County
2020 CMP Update/Annual Report	February 2021	
2021 CMP Update/Annual Report	February 2022	

Task 3.4 Congestion Management Process (CMP) Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000
	Subtotal:	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000

Task 3.4 Congestion Management Process (CMP) Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000
	Subtotal:	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000

Task 3.5 Bicycle-Pedestrian/Complete Streets Planning

Purpose:

To review, update, and implement the St. Lucie Walk-Bike Network, build upon previous bicycle/pedestrian/greenway planning efforts, and continue the ongoing planning and coordinating efforts which support the provision of bicycle, pedestrian, and greenway facilities.

Previous Work:

The TPO maintained and updated the inventory of bicycle and pedestrian facilities, known as the St. Lucie Walk-Bike Network, and performed activities as needed in support of its implementation. Through the St. Lucie Walk-Bike Network, TPO staff continued to coordinate with the local governments, the St. Lucie School District, FDOT, Florida Department of Environmental Protection Office of Greenways and Trails, and the East Coast Greenway Alliance regarding bicycle/pedestrian/greenway issues and the planning, prioritizing, funding, and implementation of bicycle/pedestrian/greenway facilities. Coordination of bicycle/pedestrian/greenway planning activities also occurred through the BPAC, TAC, and CAC. Potential bicycle/pedestrian/greenway projects were identified for funding and considered for prioritization in the TPO's LOPP.

Programmed projects reviewed through the Electronic Review Comments (ERC) system were evaluated by the TPO based on bicycle and pedestrian-friendliness.

The Bicycle Facilities Map was updated.

The TPO continued to develop plans and implement projects to address specific gaps or obstacles impeding the extension of the East Coast Greenway and the Florida SUN Trail through the St. Lucie TPO area.

TPO staff facilitated the program for the Treasure Coast Scenic Highway (TCSH) which traverses the St. Lucie TPO MPA. To enhance and protect the corridor resources and facilities, the TPO through the TCSH program provided coordination for the planning, prioritizing, funding, and implementation of facilities within the corridor.

The design of the I-95 Jobs Express Terminal was completed, and BPAC members identified the need for the installation of bicycle lockers at the facility. Previous work conducted by the TPO such as the Bicycle Rack Plan identified the need for the installation of other active/nonmotorized transportation infrastructure such as bicycle racks.

Required Activities:

- Local coordination/support and project review and prioritization including assisting agencies with sidewalk inventories, gap studies, etc. to support their compliance with ADA requirements
- East Coast Greenway (ECG)/Florida SUN Trail coordination and implementation

End Product:	Completion Date:	Responsible Agency:
St. Lucie Walk-Bike Network Update	June 2021	St. Lucie TPO
St. Lucie Walk-Bike Network Facility Enhancements which includes the purchase of active/nonmotorized transportation infrastructure	June 2022	Participating Agencies: FDOT, St. Lucie County, City of Fort Pierce, City of Port St. Lucie, St. Lucie School Board, ECG Alliance

Task 3.5 Bicycle-Pedestrian/Complete Streets Planning Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$35,000	\$0	\$0	\$0	\$0	\$0	\$35,000
	Subtotal:	\$35,000	\$0	\$0	\$0	\$0	\$0	\$35,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$35,000	\$0	\$0	\$0	\$0	\$0	\$35,000

Task 3.5 Bicycle-Pedestrian/Complete Streets Planning Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$35,000	\$0	\$20,000	\$0	\$0	\$0	\$55,000
	Subtotal:	\$35,000	\$0	\$20,000	\$0	\$0	\$0	\$55,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$35,000	\$0	\$0	\$0	\$35,000
	Subtotal:	\$0	\$0	\$35,000	\$0	\$0	\$0	\$35,000
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$35,000	\$0	\$55,000	\$0	\$0	\$0	\$90,000

Task 3.6 Freight Planning		
Purpose:		
To continue promoting the St. Lucie TPO area as the freight gateway to South Florida while enhancing the initiatives of agency partners in support of the important freight facilities of regional and Statewide significance located within the St. Lucie TPO area.		
Previous Work:		
<p>The TPO implemented the Treasure Coast Regional Freight Plan that was developed as part of the 2040 RL RTP development with the Martin and Indian River MPOs.</p> <p>The TPO continued to work with FDOT to acquire data and enhance the regional freight model to specifically evaluate transportation investments and their benefits with regard to freight mobility.</p> <p>The TPO continued to participate in the MPOAC Freight Advisory Committee.</p> <p>The TPO supported the update of the Port of Fort Pierce Master to develop the Port of Fort Piece Consolidated Master Plan.</p> <p>The TPO continued to implement the St. Lucie Freight Network and identify and analyze operational improvements to the freight network through the implementation of the St. Lucie ATMS.</p>		
Required Activities:		
<ul style="list-style-type: none"> • Develop a Drone Port Study to identify appropriate locations for drone ports • Implement the Treasure Coast Regional Freight Plan and other regional plans • Implement the Port of Fort Piece Consolidated Master Plan and other local plans • Maintain liaison with various agency staff • Monitor and update the St. Lucie Freight Network • Support continued implementation of the St. Lucie Freight Logistics Zone • Attend various freight coordination meetings 		
End Product:	Completion Date:	Responsible Agencies:
Drone Port Study	April 2022	St. Lucie TPO Participating Agencies: FDOT, St. Lucie County, City of Fort Pierce, City of Port St. Lucie, Indian River MPO, Martin MPO

Task 3.6 Freight Planning Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
	Subtotal:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000

Task 3.6 Freight Planning Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
	Subtotal:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000

Task 3.7 Safety and Security Planning		
Purpose:		
To provide for the consideration and implementation of projects, strategies, and services which increase the safety and security of the transportation system and users of the system and maintain the TPO's Continuity of Operations Plan (COOP).		
Previous Work:		
<p>The Crash Data Management System (CDMS) was maintained and supported and the University of Florida Signal 4 Analytics Crash Database was used to facilitate safety project identification and analysis. Based on the crash data analyses, educational safety programs were developed and implemented and potential safety projects were identified for funding and considered for inclusion in the CMP and prioritization in the TPO's LOPP.</p> <p>Phase 1 of the Lead Pedestrian Interval (LPI) Traffic Signal Study was completed which identified the need for additional data collection especially pedestrian and bicyclist data.</p> <p>The Community Traffic Safety Team (CTST) assisted in the identification of safety hazards and in the development and implementation of safety countermeasures. TPO staff provided assistance with implementation of the countermeasures.</p> <p>An evaluation of adding bicycle lanes to the SR-A1A South Causeway Bridge to improve safety was completed which included extensive public input activities. Based on the results of these activities, it appeared to be appropriate to further evaluate adding bicycle lanes to the bridge and field test a bicycle lane on the bridge on a temporary basis. The proposed reconfiguration entered the FDOT District 4 Lane Elimination Review and Approval Process, and the requirements for the project were received.</p> <p>The TPO performed a COOP exercise after Hurricane Dorian was off the coast in 2019. The COOP was updated annually to incorporate improvements as a result of lessons learned during the activations.</p>		
Required Activities:		
<ul style="list-style-type: none"> • Photograph area crosswalks at signalized intersections, prepare a report, and provide recommendations to local agencies based on crash reports involving bicyclists, pedestrians, and users of personal mobility devices. • Identification of safety and security issues/mitigation in coordination with transportation partners • Local examination of the link between vehicle speed and crash risk and severity • Lead Pedestrian Interval Traffic Signal Study Phase 2 • Identification of low-cost, short-term bicycle/pedestrian safety improvements that might include distribution of reflective items. • COOP activations, as needed • CTST Meetings (quarterly) • Signal 4 Analytics Crash Database Utilization 		
End Product:	Completion Date:	Responsible Agencies: St. Lucie TPO Participating Agencies: FDOT, St. Lucie County, City of Fort Pierce, City of Port St. Lucie, CTST, School District, Law
COOP Update and Exercise	October 2020	
COOP Exercise and Update, if needed	October 2021	
SR-A1A South Causeway Bridge Bicycle Lane Pilot Project	June 2021	
Crosswalk Markings Visibility Study	June 2021	
Crosswalk Markings Study Implementation Plan	June 2022	

Speed Kills Analysis	February 2022	enforcement agencies, St. Lucie Fire District
LPI Traffic Signal Study Phase 2	June 2022	

Task 3.7 Safety and Security Planning Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
	Subtotal:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000

Task 3.7 Safety and Security Planning Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$10,000	\$0	\$20,000	\$0	\$0	\$0	\$10,000
	Subtotal:	\$10,000	\$0	\$20,000	\$0	\$0	\$0	\$30,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$50,000	\$0	\$0	\$0	\$50,000
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$10,000	\$0	\$70,000	\$0	\$0	\$0	\$80,000

Task 3.8 Transportation Disadvantaged (TD) Program		
Purpose:		
To provide coordination and planning services for the St. Lucie County TD Program in accordance with Chapter 427 FS, Rule 41-2 FAC, and the Americans with Disabilities Act (ADA) which includes the identification of unmet TD needs.		
Previous Work:		
<p>The TPO Board re-designated the St. Lucie County Board of County Commissioners as the Community Transportation Coordinator (CTC) for St. Lucie County. TPO Staff assisted the CTC in its role of providing safe, coordinated TD services to elderly persons, persons with disabilities, veterans, and economically disadvantaged citizens. TPO staff assisted the CTC in the development of a Transportation Disadvantaged Service Plan/Coordinated Plan. Staff assisted in finding alternatives to accommodate unmet local needs.</p> <p>TPO staff provided administrative services to the LCB. This included preparation of meeting summaries, agendas, grant applications, progress reports, and other products. Staff also assessed legislatively mandated changes to the state TD program and undertook TD-related activities as necessary to comply with state legislation. The TD program is coordinated with other public transit planning and services, including veteran services, through the LCB and associated work products. TPO staff coordinated with FDOT, the County, and the transit operator and provided technical assistance for the transitioning of non-life sustaining trips from the current demand response program services to fixed or deviated route services.</p> <p>The TD Program continued to incorporate Environmental Justice into its mission by identifying and addressing, as appropriate, the effects of programs, policies, and activities on minority and low-income populations. The TPO continued to strive to involve the potentially affected public and to develop partnerships with and enhance the participation by traditionally underserved communities.</p>		
Required Activities:		
<ul style="list-style-type: none"> • LCB Meeting Support • LCB Planning Support • CTC Technical Assistance • TDSP Annual Updates • CTC Evaluations • TD Gant Applications • TD Invoice and Progress Reports 		
End Product:	Completion Date:	Responsible Agencies: St. Lucie TPO Participating Agencies: FDOT, St. Lucie County
TDSP Annual Update	June 2021	
TDSP Annual Update	June 2022	
2021 CTC Evaluation	June 2021	
2022 CTC Evaluation	June 2022	

Task 3.8 Transportation Disadvantaged (TD) Program Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$0	\$19,730	\$0	\$0	\$0	\$0	\$19,730
	Subtotal:	\$0	\$19,730	\$0	\$0	\$0	\$0	\$19,730
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$2,000	\$0	\$0	\$0	\$0	\$2,000
	Subtotal:	\$0	\$2,000	\$0	\$0	\$0	\$0	\$2,000
C. Travel:								
	Travel Expenses	\$0	\$800	\$0	\$0	\$0	\$0	\$800
	Subtotal:	\$0	\$800	\$0	\$0	\$0	\$0	\$800
D. Direct Expenses:								
	Advertising	\$0	\$1,200	\$0	\$0	\$0	\$0	\$1,200
	General & Administrative Charges	\$0	\$1,000	\$0	\$0	\$0	\$0	\$1,000
	Training & Seminar	\$0	\$250	\$0	\$0	\$0	\$0	\$250
	Postage	\$0	\$20	\$0	\$0	\$0	\$0	\$20
	Subtotal:	\$0	\$2,470	\$0	\$0	\$0	\$0	\$2,470
	Total:	\$0	\$25,000	\$0	\$0	\$0	\$0	\$25,000

Task 3.8 Transportation Disadvantaged (TD) Program Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$0	\$19,730	\$0	\$0	\$0	\$0	\$19,730
	Subtotal:	\$0	\$19,730	\$0	\$0	\$0	\$0	\$19,730
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$2,000	\$0	\$0	\$0	\$0	\$2,000
	Subtotal:	\$0	\$2,000	\$0	\$0	\$0	\$0	\$2,000
C. Travel:								
	Travel Expenses	\$0	\$800	\$0	\$0	\$0	\$0	\$800
	Subtotal:	\$0	\$800	\$0	\$0	\$0	\$0	\$800
D. Other Direct Expenses:								
	Advertising	\$0	\$1,200	\$0	\$0	\$0	\$0	\$1,200
	General & Administrative Charges	\$0	\$1,000	\$0	\$0	\$0	\$0	\$1,000
	Training & Seminar	\$0	\$250	\$0	\$0	\$0	\$0	\$250
	Postage	\$0	\$20	\$0	\$0	\$0	\$0	\$20
	Subtotal:	\$0	\$2,470	\$0	\$0	\$0	\$0	\$2,470
	Total:	\$0	\$25,000	\$0	\$0	\$0	\$0	\$25,000

Task 3.9 Environmental Planning		
Purpose:		
To continue the integration of environmental considerations into the TPO's metropolitan planning program		
Previous Work:		
<p>The Go2040 LRTP incorporates environmental mitigation strategies from a system-wide perspective and considers environmental mitigation strategies in consultation with State, Tribal, and local agencies. The TPO continued to link planning with the National Environmental Policy Act (NEPA) with the preparation of a Purpose and Need Statement for a new project conceived by the Go2040 LRTP. A base map of environmentally-sensitive areas was developed in the Go2040 LRTP which identifies environmental features such as major hydrology, environmental lands, and Special Emphasis Areas identified by local stakeholders such as the St. Lucie Conservation Alliance and the St. Lucie County Environmental Management Department.</p> <p>As a member of the Environmental Technical Advisory Team (ETAT), the TPO participated in the FDOT Efficient Transportation Decision Making (ETDM) process to further integrate consideration of potential project effects on the cultural, socio-cultural, and natural environments into transportation decision-making and continue early coordination with resource agencies in addressing mitigation activities. The TPO participated in the PD&E process for its Priority Projects where the environmental mitigation activities were further refined.</p> <p>The TPO supported the establishment of the Florida Ecological Greenways Network (FEGN) which prioritizes a functionally-connected statewide network of public and private conservation lands to conserve and maintain ecological greenway connectivity and protect, connect, and conserve Florida's native wildlife and natural systems. In addition, the TPO supported the effort to define a statewide conservation network of wildlife and natural areas with the Florida Fish and Wildlife Conservation Commission's Cooperative Conservation Blueprint (CCB) and the State Wildlife Action Plan to sustain the broad range of wildlife in Florida.</p> <p>As extreme weather and changes in environmental conditions continue to present significant and growing risks to the nation's vital transportation systems, the TPO completed local sea level rise mapping using the SLS Sketch Planning Tool to identify transportation infrastructure exposed to current and future flooding and performed a Transportation Asset/Service Vulnerability Assessment.</p>		
Required Activities:		
<ul style="list-style-type: none"> • Participate as ETAT member in ETDM Planning and Programming Screens • Coordinate with State and local agencies to address climate change and to improve the climate adaptation/resiliency • Coordinate with State and local agencies responsible for natural resources, environmental protection, conservation, and historic preservation • Integrate FEGN, CCB, and State Wildlife Action Plan into transportation plans 		
End Product:	Completion Date:	Responsible Agencies:
<ul style="list-style-type: none"> • Update and maintain the Base Map of Environmentally-Sensitive Areas 	April 2022	St. Lucie TPO Participating Agencies: FDOT, St. Lucie County

Task 3.9 Environmental Planning Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
	Subtotal:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Indirect Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000

Task 3.9 Environmental Planning Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
	Subtotal:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000

Task 3.10 Automated/Connected/Electric/Shared-Use (ACES) Vehicles Planning		
Purpose:		
To plan and support innovative technologies and business practices with regard to ACES vehicles and determine how best to address the challenges and opportunities presented by ACES vehicles		
Previous Work:		
<p>Technological advancements in transportation have the potential to transform the urban landscape. Automated vehicles, once thought to be futuristic, are being tested on public roadways. Shared mobility providers, the transit industry, and the freight industry are expected to be early adopters of advanced technologies. Adopting and supporting innovative technologies and business practices supports the Florida Transportation Plan and the federal planning factors found in the FAST Act.</p> <p>Though there is a great deal of speculation and uncertainty about the potential impacts advanced technologies will have, MPOs need to determine how best to address the challenges and opportunities presented to them by ACES vehicles.</p> <p>To inform the transit provider’s Transit Development Plan Major Update, the ACES Vehicles for Transit Study was completed. The ACES Vehicles for LRTP study was completed to inform the 2045 LRTP.</p>		
Required Activities:		
<ul style="list-style-type: none"> Participate in training activities regarding advanced transportation technologies Attend/host local stakeholder meetings related to ACES Electric Vehicle Charging Station Plan - development of criteria for siting electric vehicle charging stations and selection of appropriate locations based on the criteria. Update ACES Vehicles for Transit Study 		
End Product:	Completion Date:	Responsible Agencies: St. Lucie TPO Participating Agencies: FDOT, St. Lucie County, City of Port St. Lucie, City of Fort Pierce
Electric Vehicle Charging Station Plan	October 2021	
ACES Vehicles for Transit Study Update	April 2022	

Task 3.10 ACES Vehicles Planning Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STB G	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
	Subtotal:	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000

Task 3.10 ACES Vehicles Planning Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
	Subtotal:	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000

ELEMENT 4: REGIONAL AND INTERGOVERNMENTAL PLANNING AND COORDINATION

Element 4 includes the planning and coordination activities with the other MPOs, State and Federal agencies, the TCRPC, and local agencies and governments that are not readily classified within the other elements. Specific work tasks are listed below and described on the following pages.

Task 4.1 Models of Regional Planning Cooperation

Task 4.2 Intergovernmental Planning and Coordination

Task 4.1 Models of Regional Planning Cooperation

Purpose:

To continue as a model of regional planning cooperation and to coordinate with Federal, State, and other public agencies which are not considered to be local agencies or governments (such as the other MPOs, FDOT, and the TCRPC) on projects and activities that are not identified within specific tasks in the other elements of the UPWP.

Previous Work:

TPO staff continued to maintain liaison with the FDOT, TCRPC, Martin and Indian River MPO staffs and coordinated with various non-local governmental and public agencies on transportation projects and activities affecting the MPA. To accomplish this task, TPO staff attended meetings; reviewed plans, reports, and other documents; provided data, information, comments, and recommendations; and facilitated presentations to the TPO Board and advisory committees on behalf of the agencies, as appropriate.

The TPO shared resources to implement regional public outreach, data collection, and other common tasks.

The 2040 Treasure Coast RL RTP continued to be implemented and provided regional projects for Transportation Regional Incentive Program (TRIP) funding through the Treasure Coast Transportation Council (TCTC). In addition, the TPO continued to participate in other miscellaneous regional planning and coordination meetings.

The TPO staff provided meeting schedules, agendas, minutes, packets, notices, and other staff support, as necessary, for meetings of the Treasure Coast Transportation Council (TCTC) and the Treasure Coast Technical Advisory Committee (TCTAC).

Required Activities:

- Complete and implement local and regional plans including the 2040 RL RTP
- 2040 RL RTP amendments
- Maintain liaison with various agency staff
- Coordinate with rural governmental entities outside of the current MPA boundaries that are impacted by transportation movements between regions
- Support and participate in TCTAC and TCTC and other regional meetings
- Prepare regional meeting agendas, minutes, packets, etc.

End Product:	Completion Date:	Responsible Agencies:
Develop the 2045 Treasure Coast RL RTP	June 2022	St. Lucie TPO Participating Agencies: Martin MPO, Indian River MPO, TCRPC, and FDOT

Task 4.1 Models of Regional Planning Cooperation Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
	Subtotal:	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000

Task 4.1 Models of Regional Planning Cooperation Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$10,000	\$0	\$20,000	\$0	\$0	\$0	\$30,000
	Subtotal:	\$10,000	\$0	\$20,000	\$0	\$0	\$0	\$30,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$20,000	\$0	\$0	\$0	\$20,000
	Subtotal:	\$0	\$0	\$20,000	\$0	\$0	\$0	\$20,000
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$10,000	\$0	\$40,000	\$0	\$0	\$0	\$50,000

Task 4.2 Intergovernmental Planning and Coordination

Purpose:

To coordinate with local agencies and governments on projects and activities that are not identified within specific tasks in other elements of the UPWP.

Previous Work:

TPO staff coordinated with various local agencies and governments on transportation projects and activities affecting the MPA. The planning and coordination activities included attending meetings; reviewing plans, reports, and other documents; and providing data, information, comments, and recommendations.

TPO staff reviewed and commented on various land use amendments and development plans for local governments in the MPA. The TCRPM continued to be utilized to assist in the analysis of transportation issues.

TPO staff also provided technical support to the local agencies and governments in the completion of transportation improvement grant applications.

To promote consistency among local plans and ensure appropriate improvements from development, the TPO identified projects based on its TIP, LOPP, and FDOT’s Work Program to be included in Capital Improvement Elements of local government comprehensive plans.

The TPO conducted reviews of local projects from a traffic and transportation perspective to evaluate consistency with regional and long range plans. The TPO also reviewed relevant plans regarding airport and port planning activities in relation to TPO planning and programming activities.

Required Activities:

- Treasure Coast Scenic Highway (TCSHP) program implementation and support
- Treasure Coast International Airport Connector Study Support
- Attend/host intergovernmental meetings
- Review plans, reports, and other documents.
- Provide data, information, comments, and recommendations.
- Prepare meeting agendas, minutes, packets, etc.
- Provide transportation grant support
- Serve as a resource for information and technical assistance in local government compliance with ADA

End Product:	Completion Date:	Responsible Agencies: St. Lucie TPO Participating Agencies: City of Fort Pierce, City of Port St. Lucie, and St. Lucie County
2021 TCSHP Annual Work Plan	November 2020	
2020 TCSHP Annual Report	February 2021	
2022 TCSHP Annual Work Plan	November 2021	
2021 TCSHP Annual Report	February 2022	

Task 4.2 Intergovernmental Planning and Coordination Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STB G	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
	Subtotal:	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000

Task 4.2 Intergovernmental Planning and Coordination Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STB G	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
	Subtotal:	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000
B. Consultant Services:								
	Contract/Consultant Services	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$20,000	\$0	\$0	\$0	\$0	\$0	\$20,000

ELEMENT 5: PUBLIC PARTICIPATION, EDUCATION & OUTREACH

Element 5 includes the activities conducted to ensure continuing, comprehensive, and cooperative public involvement in the transportation planning process. Providing the public with educational opportunities is intended to enhance and strengthen the level of public participation which is consistent with the UPWP Planning Priorities and the Federal Planning Factors. Specific work tasks are listed below and described on the following pages.

Task 5.1 Public Participation, Education & Outreach

Task 5.1 Public Participation, Education & Outreach		
Purpose:		
To ensure that the TPO's public involvement process meets or exceeds Federal and State regulations and provides opportunities for the public to participate in the transportation planning process.		
Previous Work:		
<p>The TPO continued to enhance its public participation activities. Techniques included the use of the TPO website, visualization techniques, press releases, public access TV broadcasts, social media, and smartphone applications; the provision of graphic presentations at meetings; the provision of access for persons with disabilities to all meetings; and the availability of alternative language translations to facilitate the participation of non-English speaking populations in the public participation process. All TPO meetings continued to be open to the public and conducted in geographically diverse locations including outside of typical governmental administration buildings to enhance public attendance.</p> <p>Public comment periods for work products were maintained, and TPO staff continued to respond to routine inquiries from the public. An annual Evaluation of Effectiveness and a major update of the TPO's Public Participation Plan (PPP) were conducted.</p> <p>The TPO continued to strive to involve the potentially affected public and enhance the participation by traditionally underserved communities. Achieving environmental justice in the planning process continued to be part of the TPO mission by identifying and addressing, as appropriate, the effects of programs, policies, and activities on minority and low income populations. The TPO annually reviewed its Title VI program and complied with all Title VI and environmental justice requirements.</p> <p>The TPO website was continuously updated to enhance user-friendliness and visualization. The latest publications, meeting notices and agendas, and announcements were posted. The TPO website was instrumental in facilitating public input on the development of the UPWP, PPP, and other projects.</p> <p>TPO staff provided support to the CAC and BPAC. Regular meetings of the CAC, TAC, BPAC, LCB, TCCME, and TPO Board were conducted which were open to the public.</p>		
Required Activities:		
<ul style="list-style-type: none"> • Implementation of the PPP • CAC/BPAC meetings and support • Website/social media management • Major update of Title VI Implementation Plan • Title VI and environmental justice compliance • Annual PPP Evaluations of Effectiveness and resultant updates 		
End Product:	Completion Date:	Responsible Agency: St. Lucie TPO Participating Agencies: City of Fort Pierce, City of Port St. Lucie, School District, nonprofits, FDOT, FHWA and St. Lucie County
Title VI Implementation Plan Major Update	October 2020	
Annual PPP Evaluation of Effectiveness and Update	February 2021	
Annual PPP Evaluation of Effectiveness and Update	February 2022	

Task 5.1 Public Participation, Education & Outreach Estimated Budget Detail for FY 2020/2021								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
	Subtotal:	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
B. Consultant Services:								
	Contract/Consultant Services	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
	Subtotal:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000

Task 5.1 Public Participation, Education & Outreach Estimated Budget Detail for FY 2021/2022								
Budget Category	Budget Category Description	FHWA (PL)	FCTD	STBG	FTA	FTA STATE MATCH	FTA LOCAL MATCH	Total
A. Personnel Services:								
	TPO Staff Salaries, fringe benefits, and other deductions	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
	Subtotal:	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
B. Consultant Services:								
	Contract/Consultant Services	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
	Subtotal:	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
C. Travel:								
	Travel Expenses	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Other Direct Expenses:								
		\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total:	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000

IV. SUMMARY BUDGET TABLES

TABLE 1 Work Task Summary

The following table summarizes the end products, target dates, and budget for each UPWP element and work task:

Element	Task	End Products	Target Dates	FY 2020/21 Budget	FY 2021/22 Budget
1. Program Administration	1.1 Program Management	2021 Legislative Priorities (uses local funds only)	December 2020	\$383,813	\$360,583
		2022 Legislative Priorities (use local funds only)	October 2021		
		2021 Annual Joint Certification Review	May 2021		
		2022 Annual Joint Certification Review	May 2022		
		Local MPOAC Institute Workshop	June 2022		
		Federal Certification Review	April 2021		
	1.2 UPWP Development	FY 2022/23 – FY 2023/24 UPWP Kickoff Meeting	January 2022	\$2,500	\$15,000
		Review by Advisory Committees & Board	March/April 2022		
		Transmittal to FDOT	March 2022		
		Public Comment Period	March/April 2022		
Adoption by Board		April 2022			
2. Modeling, GIS, Data Management, and Performance Measurement	2.1 Travel Demand Modeling	2045 LRTP Modeling Activities	February 2021	\$5,000	\$5,000
		2045 RL RTP Modeling Activities	June 2022		
	2.2 GIS And Data Management	Presentation of 3D Animation Showing Proposed Multi-Modal Transportation Connectivity	June 2021	\$15,000	\$10,000
	2.3 Traffic Count Program Management	2020 Traffic Count and LOS Report	January 2021	\$45,000	\$55,000
		2021 Traffic Count and LOS Report	January 2022		
	2.4 Performance Measurement	Set 2021 Performance Targets and Report to FDOT	February 2021	\$10,000	\$10,000
		Set 2022 Performance Targets and Report to FDOT	February 2022		
	3. Recurring and Systems and Project Planning	3.1 Long Range Transportation Planning	2045 LRTP with TIP/LRTP Performance Report	February 2021	\$195,000
3.2 Transit Planning		TDP Annual Progress Report	September 2020	\$163,868	\$158,868
		TDP Annual Progress Report	September 2021		
		Transit Route Optimization Study	June 2021		
		Micro-Mobility Study	June 2022		
3.3 Transportation Improvement Program (TIP)		Submittal of 2020/21 LOPP to FDOT	September 2020	\$42,500	\$43,000
		Review/Endorsement of FDOT's Five-Year Work Program	December 2020		
		FY 2021/22 – FY 2025/26 TIP Adoption & Interactive TIP Update	June 2021		
		Annual Publication of Obligated Federal Projects	June 2021		
		Submittal of 2021/22 LOPP to FDOT	September 2021		
		Review/Endorsement of FDOT's Five-Year Work Program	December 2021		
		FY 2022/23 – FY 2026/27 TIP Adoption & Interactive TIP Update	June 2022		
3.4 Congestion Management Process (CMP)		2020 CMP Update/Annual Report	February 2021	\$5,000	\$5,000
		2021 CMP Update/Annual Report	February 2022		

Element	Task	End Products	Target Dates	FY 2020/21 Budget	FY 2021/22 Budget
3. Recurring and Systems and Project Planning (continued)	3.5 Bicycle-Pedestrian/Complete Streets Planning	St. Lucie Walk-Bike Network Update	June 2021	\$35,000	\$90,000
		St. Lucie Walk-Bike Network Facility Enhancements which includes the purchase of active/nonmotorized transportation infrastructure	June 2022		
	3.6 Freight Planning	Drone Port Study	April 2022	\$10,000	\$10,000
	3.7 Safety and Security Planning	COOP Exercise and Update, if needed	October 2020	\$10,000	\$80,000
		COOP Exercise and Update, if needed	October 2021		
		SR-A1A South Causeway Bridge Bicycle Lane Pilot Project	June 2021		
		Crosswalk Marking Visibility Study	June 2021		
		Crosswalk Marking Study Implementation Plan	June 2022		
		Speed Kills Analysis	February 2022		
	3.8 Transportation Disadvantaged (TD) Program	LPI Traffic Signal Study Phase 2	June 2022	\$25,000	\$25,000
		TDSP Annual Update	June 2021		
		TDSP Annual Update	June 2022		
		2021 CTC Evaluation	June 2021		
	3.9 Environmental Planning	2022 CTC Evaluation	June 2022	\$10,000	\$10,000
Update and maintain the Base Map of Environmentally-Sensitive Areas		April 2022			
3.10 ACES Vehicles Planning	Electric Vehicle Charging Station Plan	October 2021	\$15,000	\$15,000	
	ACES Vehicles for Transit Study Update	April 2022			
4. Regional and Intergovernmental Planning and Coordination	4.1 Models of Regional Planning Cooperation	Develop the 2045 Treasure Coast RL RTP	June 2022	\$20,000	\$50,000
	4.2 Intergovernmental Planning and Coordination	2021 TCSHP Annual Work Plan	November 2020	\$20,000	\$20,000
		2020 TCSHP Annual Report	February 2021		
		2022 TCSHP Annual Work Plan	November 2021		
		2021 TCSHP Annual Report	February 2022		
5. Public Participation, Education & Outreach	5.1 Public Participation, Education & Outreach	Title VI Implementation Plan Major Update	October 2020	\$25,000	\$25,000
		Annual PPP Evaluation of Effectiveness and Update	February 2021		
		Annual PPP Evaluation of Effectiveness and Update	February 2022		
Total				\$1,037,681	\$997,451

In addition to identifying planning priorities, elements, and tasks, the UPWP identifies de-obligated funds, carry-forward funds, close-out balances, fiscal year allocations, available funds, and fiscal year expenses.

De-obligated funds are those funds that were budgeted in the previous UPWP but were not spent and were de-obligated. Carry-forward funds are those funds that were available but were not budgeted in the previous UPWP and, therefore, are accumulated. Close-out balances are those funds that were budgeted in a previous fiscal year but were not spent and were not de-obligated. The de-obligated funds, carry-forward funds, and close-out balances are combined with the fiscal year allocations to determine the available funds for the fiscal year.

FDOT policy limits the PL fund carry-forward to 50 percent of the annual allocation. The following tables summarize the financial information for the two fiscal years of the UPWP:

TABLE 2 Revenues (FY 2020/21)

SOURCE OF FUNDS	PL	STBG	FTA 5305(D)	FCTD	TPO Local	Totals
Carry-Forward (without FY 2018/19 - FY 2019/20 Close-Out Balance)*	\$0	\$0	\$0	\$0	\$2,000	\$2,000
FY 2019/20 De- obligation	\$40,000	\$0	\$0	\$0	\$0	\$40,000
FY 2018/19- FY 2019/20 Close-Out Balance	*	\$0	\$0	\$0	\$0	\$0
FY 2020/21 Allocation	\$545,673	\$300,000	\$100,094	\$25,000	\$0	\$970,767
State Match (FDOT D Funds)	**		\$12,512	N/A	\$0	\$12,512
Local Match (St. Lucie County)	**		\$12,512	N/A	\$0	\$12,512
Total FY 2020/21 Available	\$585,673	\$300,000	\$125,118	\$25,000	\$2,000	\$1,037,791
FY 2020/2021 UPWP Expenses	\$585,563	\$300,000	\$125,118	\$25,000	\$2,000	\$1,037,681

Notes

- * The Close-Out Balance applies to PL Funds only, will be determined after FY 2020/21, and will not be available until FY 2021/22.
- ** The Local Match for PL Funds is included in the State Match for PL Funds which is identified on page 5 and is detailed by Task in Tables 4-7.

TABLE 3 Revenues (FY 2021/22)

SOURCE OF FUNDS	PL	STBG	FTA 5305(D)	FCTD	TPO Local	Totals
Carry-Forward (without FY 2018/19 - FY 2019/20 Close-Out Balance)*	\$110	\$0	\$0	\$0	\$2,000	\$2,110
FY 2018/19 - FY 2019/20 Close-Out Balance	*	\$0	\$0	\$0	\$0	\$0
FY 2021/22 Allocation	\$545,673	\$300,000	\$100,094	\$25,000	\$0	\$970,767
State Match (FDOT D Funds)	**		\$12,512	N/A	\$0	\$12,512
Local Match (St. Lucie County)	**		\$12,512	N/A	\$0	\$12,512
Total FY 2021/22 Available	\$545,783	\$300,000	\$125,118	\$25,000	\$2,000	\$997,901
FY 2021/22 UPWP Expenses	\$545,333	\$300,000	\$125,118	\$25,000	\$2,000	\$997,451

Notes

- * The Close-Out Balance applies to PL Funds only, will be determined after FY 2020/21, and will not be available until FY 2021/22.
- ** The Local Match for PL Funds is included in the State Match for PL Funds which is identified on page 5 and is detailed by Task in Tables 4-7.

TABLE 4 Agency Participation (FY 2020/21)

Task	Federal			State			Local		Total	Amount to Consultant
	FHWA	FTA	STBG	FDOT		FCTD	St. Lucie County	TPO		
				Cash Match	Soft Match ¹					
1.1 Program Management	\$325,563	\$45,000	\$0	\$5,625	\$71,805	\$0	\$5,625	\$2,000	\$455,618	\$20,000
1.2 UPWP Development	\$2,500	\$0	\$0	\$0	\$551	\$0	\$0	\$0	\$3,051	\$0
2.1 Travel Demand Modeling	\$5,000	\$0	\$0	\$0	\$1,103	\$0	\$0	\$0	\$6,103	\$0
2.2 GIS and Data Management	\$15,000	\$0	\$0	\$0	\$3,308	\$0	\$0	\$0	\$18,308	\$0
2.3 Traffic Count Program Management	\$0	\$0	\$45,000	\$0	\$0	\$0	\$0	\$0	\$45,000	\$35,000
2.4 Performance Measurement	\$10,000	\$0	\$0	\$0	\$2,206	\$0	\$0	\$0	\$12,206	\$0
3.1 Long Range Transportation Planning	\$20,000	\$0	\$175,000	\$0	\$4,411	\$0	\$0	\$0	\$199,411	\$150,000
3.2 Transit Planning	\$15,000	\$55,094	\$80,000	\$6,887	\$3,308	\$0	\$6,887	\$0	\$167,176	\$30,000
3.3 Transportation Improvement Program (TIP)	\$42,500	\$0	\$0	\$0	\$9,374	\$0	\$0	\$0	\$51,874	\$7,500
3.4 Congestion Management Process (CMP)	\$5,000	\$0	\$0	\$0	\$1,103	\$0	\$0	\$0	\$6,103	\$0
3.5 Bike Complete Streets Planning	\$35,000	\$0	\$0	\$0	\$7,719	\$0	\$0	\$0	\$42,719	\$0
3.6 Freight Planning	\$10,000	\$0	\$0	\$0	\$2,206	\$0	\$0	\$0	\$12,206	\$0
3.7 Safety and Security Planning	\$10,000	\$0	\$0	\$0	\$2,206	\$0	\$0	\$0	\$12,206	\$0
3.8 Transportation Disadvantaged (TD) Program	\$0	\$0	\$0	\$0	\$0	\$25,000	\$0	\$0	\$25,000	\$2,000
3.9 Environmental Planning	\$10,000	\$0	\$0	\$0	\$2,206	\$0	\$0	\$0	\$12,206	\$0
3.10 ACES Vehicles Planning	\$15,000	\$0	\$0	\$0	\$3,308	\$0	\$0	\$0	\$18,308	\$0
4.1 Models of Regional Planning Cooperation	\$20,000	\$0	\$0	\$0	\$4,411	\$0	\$0	\$0	\$24,411	\$0
4.2 Intergovernmental Planning and Coordination	\$20,000	\$0	\$0	\$0	\$4,411	\$0	\$0	\$0	\$24,411	\$0
5.1 Public Participation, Education & Outreach	\$25,000	\$0	\$0	\$0	\$5,514	\$0	\$0	\$0	\$30,514	\$10,000
Total	\$585,563	\$100,094	\$300,000	\$12,512	\$129,149	\$25,000	\$12,512	\$2,000	\$1,166,830	\$254,500

¹FDOT non-cash match explained on page 5

TABLE 5 Agency Participation (FY 2021/22)

Task	Federal			State			Local		Total	Amount to Consultant
	FHWA	FTA	STBG	FDOT		FCTD	St. Lucie County	TPO		
				Cash Match	Soft Match ¹					
1.1 Program Management	\$302,333	\$45,000	\$0	\$5,625	\$66,681	\$0	\$5,625	\$2,000	\$427,264	\$20,000
1.2 UPWP Development	\$15,000	\$0	\$0	\$0	\$3,308	\$0	\$0	\$0	\$18,308	\$0
2.1 Travel Demand Modeling	\$5,000	\$0	\$0	\$0	\$1,103	\$0	\$0	\$0	\$6,103	\$0
2.2 GIS and Data Management	\$10,000	\$0	\$0	\$0	\$2,206	\$0	\$0	\$0	\$12,206	\$0
2.3 Traffic Count Program Management	\$0	\$0	\$55,000	\$0	\$0	\$0	\$0	\$0	\$55,000	\$40,000
2.4 Performance Measurement	\$10,000	\$0	\$0	\$0	\$2,206	\$0	\$0	\$0	\$12,206	\$0
3.1 Long Range Transportation Planning	\$10,000	\$0	\$0	\$0	\$2,206	\$0	\$0	\$0	\$12,206	\$0
3.2 Transit Planning	\$10,000	\$55,094	\$80,000	\$6,887	\$2,206	\$0	\$6,887	\$0	\$161,074	\$30,000
3.3 Transportation Improvement Program (TIP)	\$43,000	\$0	\$0	\$0	\$9,484	\$0	\$0	\$0	\$52,484	\$8,000
3.4 Congestion Management Process (CMP)	\$5,000	\$0	\$0	\$0	\$1,103	\$0	\$0	\$0	\$6,103	\$0
3.5 Bike Complete Streets Planning	\$35,000	\$0	\$55,000	\$0	\$7,719	\$0	\$0	\$0	\$97,719	\$35,000
3.6 Freight Planning	\$10,000	\$0	\$0	\$0	\$2,206	\$0	\$0	\$0	\$12,206	\$0
3.7 Safety and Security Planning	\$10,000	\$0	\$70,000	\$0	\$2,206	\$0	\$0	\$0	\$82,206	\$50,000
3.8 Transportation Disadvantaged (TD) Program	\$0	\$0	\$0	\$0	\$0	\$25,000	\$0	\$0	\$25,000	\$2,000
3.9 Environmental Planning	\$10,000	\$0	\$0	\$0	\$2,206	\$0	\$0	\$0	\$12,206	\$0
3.10 ACES Vehicles Planning	\$15,000	\$0	\$0	\$0	\$3,308	\$0	\$0	\$0	\$18,308	\$0
4.1 Models of Regional Planning Cooperation	\$10,000	\$0	\$40,000	\$0	\$2,206	\$0	\$0	\$0	\$52,206	\$20,000
4.2 Intergovernmental Planning and Coordination	\$20,000	\$0	\$0	\$0	\$4,411	\$0	\$0	\$0	\$24,411	\$0
5.1 Public Participation, Education & Outreach	\$25,000	\$0	\$0	\$0	\$5,514	\$0	\$0	\$0	\$30,514	\$10,000
Total	\$545,333	\$100,094	\$300,000	\$12,512	\$120,276	\$25,000	\$12,512	\$2,000	\$1,117,727	\$215,000

¹FDOT non-cash match explained on page 5

TABLE 6 Funding Sources (FY 2020/21)

Task	PL		FTA Section 5305(d)			FCTD	STBG	TPO Local	Total (minus soft match)	Amount to Consultant
	Federal	State ¹	Federal	State ²	Local					
1.1 Program Management	\$325,563	\$71,805	\$45,000	\$5,625	\$5,625	\$0	\$0	\$2,000	\$383,813	\$20,000
1.2 UPWP Development	\$2,500	\$551	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500	\$0
2.1 Travel Demand Modeling	\$5,000	\$1,103	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000	\$0
2.2 GIS and Data Management	\$15,000	\$3,308	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000	\$0
2.3 Traffic Count Program Management	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000	\$0	\$45,000	\$35,000
2.4 Performance Measurement	\$10,000	\$2,206	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0
3.1 Long Range Transportation Planning	\$20,000	\$4,411	\$0	\$0	\$0	\$0	\$175,000	\$0	\$195,000	\$150,000
3.2 Transit Planning	\$15,000	\$3,308	\$55,094	\$6,887	\$6,887	\$0	\$80,000	\$0	\$163,868	\$30,000
3.3 Transportation Improvement Program (TIP)	\$42,500	\$9,374	\$0	\$0	\$0	\$0	\$0	\$0	\$42,500	\$7,500
3.4 Congestion Management Process (CMP)	\$5,000	\$1,103	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000	\$0
3.5 Bike Complete Streets Planning	\$35,000	\$7,719	\$0	\$0	\$0	\$0	\$0	\$0	\$35,000	\$0
3.6 Freight Planning	\$10,000	\$2,206	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0
3.7 Safety and Security Planning	\$10,000	\$2,206	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0
3.8 Transportation Disadvantaged (TD) Program	\$0	\$0	\$0	\$0	\$0	\$25,000	\$0	\$0	\$25,000	\$2,000
3.9 Environmental Planning	\$10,000	\$2,206	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0
3.10 ACES Vehicles Planning	\$15,000	\$3,308	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000	\$0
4.1 Models of Regional Planning Cooperation	\$20,000	\$4,411	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000	\$0
4.2 Intergovernmental Planning and Coordination	\$20,000	\$4,411	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000	\$0
5.1 Public Participation, Education & Outreach	\$25,000	\$5,514	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000	\$10,000
Total	\$585,563	\$129,149	\$100,094	\$12,512	\$12,512	\$25,000	\$300,000	\$2,000	\$1,037,681	\$254,500

¹Soft match which is the FDOT non-cash match explained on page 5

²State match is typically FDOT D Funds

TABLE 7 Funding Sources (FY 2021/22)

Task	PL		FTA Section 5305(d)			FCTD	STBG	TPO Local	Total (minus soft match)	Amount to Consultant
	Federal	State ¹	Federal	State ²	Local					
1.1 Program Management	\$302,333	\$66,681	\$45,000	\$5,625	\$5,625	\$0	\$0	\$2,000	\$360,583	\$20,000
1.2 UPWP Development	\$15,000	\$3,308	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000	\$0
2.1 Travel Demand Modeling	\$5,000	\$1,103	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000	\$0
2.2 GIS and Data Management	\$10,000	\$2,206	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0
2.3 Traffic Count Program Management	\$0	\$0	\$0	\$0	\$0	\$0	\$55,000	\$0	\$55,000	\$40,000
2.4 Performance Measurement	\$10,000	\$2,206	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0
3.1 Long Range Transportation Planning	\$10,000	\$2,206	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0
3.2 Transit Planning	\$10,000	\$2,206	\$55,094	\$6,887	\$6,887	\$0	\$80,000	\$0	\$158,868	\$30,000
3.3 Transportation Improvement Program (TIP)	\$43,000	\$9,484	\$0	\$0	\$0	\$0	\$0	\$0	\$43,000	\$8,000
3.4 Congestion Management Process (CMP)	\$5,000	\$1,103	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000	\$0
3.5 Bike Complete Streets Planning	\$35,000	\$7,719	\$0	\$0	\$0	\$0	\$55,000	\$0	\$90,000	\$35,000
3.6 Freight Planning	\$10,000	\$2,206	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0
3.7 Safety and Security Planning	\$10,000	\$2,206	\$0	\$0	\$0	\$0	\$70,000	\$0	\$80,000	\$50,000
3.8 Transportation Disadvantaged (TD) Program	\$0	\$0	\$0	\$0	\$0	\$25,000	\$0	\$0	\$25,000	\$2,000
3.9 Environmental Planning	\$10,000	\$2,206	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0
3.10 ACES Vehicles Planning	\$15,000	\$3,308	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000	\$0
4.1 Models of Regional Planning Cooperation	\$10,000	\$2,206	\$0	\$0	\$0	\$0	\$40,000	\$0	\$50,000	\$20,000
4.2 Intergovernmental Planning and Coordination	\$20,000	\$4,411	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000	\$0
5.1 Public Participation, Education & Outreach	\$25,000	\$5,514	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000	\$10,000
Total	\$545,333	\$120,276	\$100,094	\$12,512	\$12,512	\$25,000	\$300,000	\$2,000	\$997,451	\$215,000

¹Soft match which is the FDOT non-cash match explained on page 5

²State match is typically FDOT D Funds



Coco Vista Centre
466 SW Port St. Lucie Blvd, Suite 111
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AGENDA ITEM SUMMARY

Board/Committee: Technical Advisory Committee (TAC)

Meeting Date: March 17, 2020

Item Number: 6b

Item Title: Transportation Alternatives Program (TAP)
2020 Grant Application

Item Origination: 2020 TAP Grant Cycle

UPWP Reference: Task 3.3 - Transportation Improvement Program

Requested Action: Review and recommend the endorsement of the TAP grant application for the 2020 grant cycle, recommend endorsement with conditions, or do not recommend endorsement.

Staff Recommendation: Based on the inclusion of the project in the 2019/20 TA Priority Project List, it is recommended that the TPO Advisory Committees recommend to the TPO Board the endorsement of the Walton Road Sidewalk Project for the allocation of the TAP funding from the 2020 grant cycle.

Attachments

- Staff Report
- Walton Road Sidewalk Project Application Excerpts

MEMORANDUM

TO: Technical Advisory Committee (TAC)

FROM: Peter Buchwald
Executive Director

DATE: March 10, 2020

SUBJECT: Transportation Alternatives Program (TAP)
2020 Grant Application

BACKGROUND

The TAP provides funding to the St. Lucie TPO for the following:

- Construction of on-road and off-road trail facilities for pedestrians, bicyclists, and other non-motorized modes;
- Construction of infrastructure-related projects and systems that will provide safe routes for non-drivers, including children, older adults, and individuals with disabilities, to access daily needs;
- Conversion of abandoned railroad corridors into trails for pedestrians, bicyclists, or other non-motorized modes;
- Construction of turnouts, overlooks, and viewing areas;
- Community improvement activities including the control/removal of outdoor advertising, preservation/rehabilitation of historic transportation facilities, vegetation management practices in rights-of-way, and archaeological activities relating to impacts from transportation projects;
- Environmental mitigation activities including pollution prevention and abatement activities related to highway construction or runoff and activities that reduce vehicle-caused wildlife mortality; and,
- Recreational Trails and Safe Routes to School Programs.

The funding available for the 2020 TAP grant cycle for the St. Lucie TPO is approximately \$680,000 that will be programmed by the Florida Department of Transportation (FDOT) District 4 in Fiscal Year 2023/24. The TPO Advisory Committees recommend to the TPO Board the endorsement/prioritization of the TAP grant applications received during the grant cycle for submittal to FDOT. Candidate TAP Projects originate from the 2019/20 TA Priority Project List.

ANALYSIS

A TAP grant application (excerpts attached) was received for the 2020 TAP grant cycle from St. Lucie County for the Walton Road Sidewalk Project which is the eighth-ranked project on the 2019/20 TA Priority Project List. The project consists of the construction of a multi-use trail, approximately 4,000 feet in length, to fill in a gap located on the south side of Walton Road between Lennard Road and Green River Parkway. The proposed trail will connect to the existing trail, which ends approximately 800 feet east of Lennard Road, and start as 12 feet in width and of concrete construction. The proposed trail will narrow to 10 feet in width from Rainer Road to Green River Parkway and will include an elevated boardwalk between Arenson Lane and Belcrest Street, as identified in the attached project location map, to minimize impacts to wetlands. The proposed trail will connect to the existing East Coast Greenway/Florida Shared-Use Nonmotorized (SUN) Trail which extends along the east side of Green River Parkway and is planned to extend northward through the Savannas Preserve State Park.

The project is estimated to cost \$1,019,596, and the applicant is requesting a total of \$816,917 of TAP grant funding. The Walton Road Sidewalk Project is the 8th-ranked TA project on the 2019/20 TA Priority Project List.

RECOMMENDATION

Based on the inclusion of the project in the 2019/20 TA Priority Project List, it is recommended that the TPO Advisory Committees recommend to the TPO Board the endorsement of the Walton Road Sidewalk Project for the allocation of the TAP funding from the 2020 grant cycle.



St. Lucie

Transportation
Planning
Organization

TRANSPORTATION ALTERNATIVES PROGRAM (TAP) Application Scoping Form

2020

General Information:

Project Title: South East Walton Road Sidewalk

Name of Applicant (If other than Project Sponsor):

Project Sponsor: St. Lucie County BOCC

(municipality, county, state, federal agency, or tribal council)

Contact Person: Kimberly Graham, P.E.

Title: St. Lucie County Engineer

Email: GrahamK@stlucieco.org

Phone Number: 772-462-1707

Sponsor Address: 2300 Virginia Avenue, 2nd Floor Rm 229
Fort Pierce, FL 34982

1 Qualifying TAP Funded Activities:

Check the Transportation Alternatives activity the proposed project will address. Please check **one** activity that represents the majority of the work proposed. Eligible activities must be consistent with details described under 23 U.S.C. 133(h).

- Construction of on-road and off-road trail facilities for pedestrians, bicyclists, and other non-motorized forms of transportation, including sidewalks, multi-use paths, bicycle infrastructure, pedestrian and bicycle signals, traffic calming techniques, lighting and other safety-related infrastructure, and transportation projects to achieve compliance with the Americans with Disabilities Act of 1990.
- Construction of infrastructure-related projects and systems that will provide safe routes for non-drivers, including children, older adults, and individuals with disabilities to access daily needs.
- Conversion and use of abandoned railroad corridors for trails for pedestrians, bicyclists, or other non-motorized transportation users
- Construction of turnouts, overlooks, and viewing areas
- Inventory, control, or removal of outdoor advertising
- Historic preservation and rehabilitation of historic transportation facilities
- Vegetation management practices in transportation rights-of-way to improve roadway safety, prevent against invasive species, and provide erosion control
- Archaeological activities relating to impacts from implementation of a transportation project eligible under title 23
- Any environmental mitigation activity, including pollution prevention and pollution abatement activities and mitigation to:
 - address storm water management, control, and water pollution prevention or abatement related to highway construction or due to highway runoff, including activities described in sections 23 U.S.C. 133(b)(3) [as amended under the FAST Act], 328(a), and 329 of title 23; or
 - reduce vehicle-caused wildlife mortality or to restore and maintain connectivity among terrestrial or aquatic habitats

2 Project Description:

Road Name: **South East Walton Road**

Road Number:

(US, SR, CR, etc.)

Local Road
(Off-System)

State Road
(On-System)

Project Limits: (to be listed from South to North and/or from West to East as applicable)

Begin/From: **800 feet East of South East Lennard Road, at the end of the existing sidewalk**

End/To: **South East Green River Parkway at the existing Sun Trail**

(a) Project Location map (depicting Begin/End limits for proposed project.)

Location map attached. (**Location_Map.pdf**)
(Required)

(b) Project Typical Sections – Typical Sections shall be provided - including existing ROW width and dimensions for all existing and proposed features. Include features that might represent potential conflict such as existing utility poles, lighting, exist. fence, etc.

Existing and proposed typical sections attached (**Typical_Sections.pdf**)
(Required)

Complete the following information with respect of the proposed project:

Project Typical Section

Instructions: All boxes must be filled in. Blue highlighted boxes require a number. Write "0" in the Existing/Proposed field and check N/A if an item does not apply to the proposed project.

RIGHT-OF-WAY

	EXISTING	PROPOSED	N/A
Width (feet) (Existing and Proposed width shall be the same)	62.5, 150	62.5, 150	

Right-of-Way acquisition is NOT permitted. See Section 2 (c) of this form.

ROADWAY

	EXISTING	PROPOSED	N/A
Number of Travel Lanes	<u>2</u>	_____	
Lane Width (feet)	<u>10</u>	_____	
a. Total Roadway Width (No. Travel Lanes x Lane Width)	20	20	

Curb & Gutter to remain: X yes _____ no _____ N/A

b. Bike Lane Width (feet) (Not Including Buffer Width)	0	0	N/A
c. Buffer Width (feet)	0	0	N/A

Re-stripe for Bike Lane: _____ yes X no

Widen for Bike Lane: _____ yes X no

Posted Speed Limit	45	45	
Design Speed (if known)	0	0	N/A

MEDIAN		EXISTING	PROPOSED	N/A
d.	Width (feet)	0	0	N/A

SIDEWALK		EXISTING	PROPOSED	N/A
e.	Widen, Left - Width (feet)	0	0	N/A
f.	Widen, Right - Width (feet)	0	10'-12'	
	Replace, Left - Width (feet)	0	0	N/A
	Replace, Right - Width (feet)	0	0	N/A

Material:

concrete asphalt paver
 other (specify) [Undetermined material for pedestrian boardwalk](#)

SWALE		EXISTING	PROPOSED	N/A
g.	Width (feet)	15	15	

TOTAL EXISTING / PROPOSED	35	45-47
----------------------------------	----	-------

Add (a.) + (b.) + (c.) + (d.) + (e.) + (f.) + (g.)

(c) Right of Way

Right-of-Way acquisition is NOT permitted.

Acquisition is defined as obtaining property not currently owned by the Local Agency through any means including: Deed, Easement, Dedication, Donation, etc.

No Right-of-Way acquisition is proposed

Describe the project's existing Right-of-Way ownerships. This description shall identify when the Right-of-Way was acquired and how ownership is documented (i.e. plats, deeds, prescriptions, certified surveys, easements). If right-of-way is an easement, please describe the easement language.

The Right-of-Way is owned by St. Lucie County as shown on the attached recorded Plats.

Display the existing ownership with Right-of-Way maps to verify that all proposed work is within existing Right-of-Way currently owned by the Project Sponsor. Provide required right-of-way documentation with the project location highlighted/noted (**Right-of-Way.pdf**): (*Required*)

- Right-of-Way maps are attached
- Plats, deeds, certified surveys, Land use Agreements, right of use permits and/or easements are attached

3 Project Scope:

(a) Project Scope of Work

Briefly describe the scope of work of the project. Include major items of work to be built.

The project will consist of a new sidewalk along the south side of South East Walton Road. It will begin approximately 800' east of South East Lennard Road at the end of the existing sidewalk at a width of 12' to SE Rainer Road. From SE Rainer Road the sidewalk will be 10' wide, heading east to tie in with the existing sidewalk along the east side of South East Green River Parkway.

Project Scope of Work

Instructions: All blue highlighted boxes must be checked Yes or No. Check "N/A" if an item does not apply to the proposed project. Include details and limits for proposed work for each scope section.

ACCESS MANAGEMENT	YES	NO	N/A
Access management revisions		X	
<u>Describe Access Management needs:</u> (<i>Required, if yes</i>)			
ADA	YES	NO	N/A
All proposed crosswalks, sidewalks, ramps, etc. comply with ADA standards	X		
<u>Describe existing and proposed ADA items:</u> (<i>Required, if yes</i>)			
Concrete sidewalk, pedestrian boardwalk and curb ramps shall be constructed to comply with ADA standards.			
DRAINAGE/PERMIT	YES	NO	N/A
Existing closed drainage system to remain	X		
Existing open drainage system to remain		X	
<u>Describe existing and proposed Drainage/Permit needs:</u> (<i>Required, if yes</i>)			
Harmonization of existing swales will allow placement of the proposed sidewalks within the Right-of-Way. Permitting required from South Florida Water Management District.			
ENVIRONMENTAL	YES	NO	N/A
Project on historical neighborhood		X	
Project on vicinity of a designated park	X		
Endangered species within the project limits	X		
<u>Describe current environmental conditions and how it will be affected by the project:</u> (<i>Required, if yes</i>)			
Sandhill Crane Park is within ½ mile of this sidewalk. Savannas Preserve State Park is on the north side of Walton Road, directly across from this sidewalk. There are Florida Scrub Jays within the Savannas Preserve State Park, however we do not anticipate any impacts to their habitat by this project.			

LANDSCAPE	YES	NO	N/A
Median landscape proposed		X	
Other landscape proposed	X		
Irrigation items proposed		X	
<u>Describe existing and proposed Landscape:</u> <i>(Required, if yes)</i>			
Existing trees and vegetation will need to be removed.			
LIGHTING	YES	NO	N/A
Pedestrian lighting proposed		X	
Roadway lighting proposed		X	
<u>Describe existing and proposed Lighting:</u> <i>(Required, if yes)</i>			
RAILROAD	YES	NO	N/A
Rail crossing within limits			X
Replace all railroad signal equipment and gates			X
<u>Describe existing and proposed roadway improvements:</u> <i>(Required, if yes)</i>			
ROADWAY	YES	NO	N/A
Milling and resurfacing proposed		X	
Additional travel lanes proposed		X	
Bike lanes proposed		X	
Roadway Widening proposed		X	
New curb and gutter proposed and/or exist. to be replaced		X	
Overbuilt/ roadway reconstruction proposed		X	
<u>Describe existing and proposed roadway improvements:</u> <i>(Required, if yes)</i>			
SCHOOL ZONE	YES	NO	N/A
Existing flashing school zone signal on state road		X	
High emphasis cross walk at un-signalized crossing		X	
<u>Describe existing and proposed School Zone:</u> <i>(Required, if yes)</i>			

SIDEWALK	YES	NO	N/A
New sidewalk proposed	X		
Existing sidewalk to be widened		X	
Existing sidewalk to be replaced		X	
Mutli-Use / shared Use path is proposed		X	
Describe existing and proposed Sidewalk: (Required, if yes)			
Approximately 4,000' of concrete sidewalk to be constructed on the south side of South East Walton Road. It will begin approximately 800' east of South East Lennard Road at the end of the existing sidewalk at a width of 12' heading east to SE Rainer Road. From SE Rainer Road the sidewalk will be 10' wide, heading east to tie in with the existing sidewalk along the east side of South East Green River Parkway.			
SIGNALIZATION	YES	NO	N/A
Pedestrian signals proposed		X	
New traffic signalization proposed		X	
Existing signalization to be replaced		X	
Describe existing proposed Signalization: (Required, if yes)			
SIGNING AND PAVEMENT MARKINGS	YES	NO	N/A
Existing signs and pavement markings to be updated due to proposed improvements	X		
New Crosswalks proposed	X		
Special Signs need to be included		X	
Describe existing and proposed Signing and Pavement Markings items:(Required, if yes)			
ADA compliant crosswalks will be installed throughout this project. Signs will need to be relocated out of the path of this proposed sidewalk.			
STRUCTURES / BRIDGES	YES	NO	N/A
Proposed Pedestrian Bridge on project	X		
Bridge widening proposed		X	
Describe existing and proposed Bridge elements: (Required, if yes)			
An elevated pedestrian boardwalk is proposed as part of this sidewalk between SE Arenson Lane and SE Belcrest Street. The area between these streets is a wetland that is to receive minimal impacts. The proposed elevated pedestrian boardwalk will be approximately 900' long.			

TRANSIT	YES	NO	N/A
Queue Jump possible		X	
Upgrade existing bus bay area		X	
Transit provider concurrence provided (required)		X	
<u>Describe existing and proposed Transit:</u> <i>(Required, if yes)</i>			
UTILITIES	YES	NO	N/A
Sub-surface relocation is required	X		
Utility coordination is required	X		
<u>Describe Utility involvement:</u> <i>(Required, if yes)</i>			
Modifications of the existing drainage may require utility relocations.			
OTHER SCOPE ITEMS	YES	NO	N/A
Existing Driveway Modifications	X		
<u>Describe Other Scope Items:</u> <i>(Required)</i>			
Existing driveways may need to be upgraded to meet current standards.			

(b) Summarize any special characteristics of the project.

The 900' portion of this sidewalk between SE Arenson Lane and SE Belcrest Street is to have an elevated pedestrian boardwalk to avoid/minimize impacts to the wetlands.

(c) Identify any upcoming projects or projects currently underway adjacent to the proposed project.

No adjacent projects are in construction or planned.

Adjacent projects include:

- 1) The City of Port Saint Lucie recently constructed a sidewalk along the east side of SE Grand Drive. The proposed sidewalk from this project will incorporate a tie in with this newly constructed one.
- 2) The County's Environmental Resources Department (ERD) is currently coordinating with FDOT on their design of the Sun Trail extension in this area. The Sun Trail currently exists along the east side of SE Green River Parkway and ends at the intersection of SE Walton Road. The extension of the Sun Trail will begin at this terminus, cross to the north side of SE Walton Road and head west to the Savanna Preserve State Park. The proposed sidewalk along the south side of SE Walton Road will end at SE Green River Parkway by tying into the existing Sun Trail on the east side of the intersection, creating a complete connection for pedestrian and multmodal use in this area.

- (d) Other specific project information that should be considered.
- 1) Port Saint Lucie High School is located within one mile of this proposed sidewalk. This sidewalk will provide a safe route for the children that walk to school along SE Walton Road.

4 Project Implementation Information:

Attach documentation as exhibits to this application, where applicable.

- (a) Describe the proposed method of performing (i.e. consultant contract or in-house) and administering each work phase of the project. If it is proposed that the project be administered by a governmental entity other than the Department of Transportation, the Agency must be LAP certified to administer Federal Aid projects in accordance with the Department's **Local Agency Program Manual (topic no. 525-010-300)**. Web site: www.fdot.gov/programmanagement/LAP/LAP_TOC.shtm

- Design to be conducted by in-house staff
- Design to be conducted by FDOT pre-qualified consultant ⁽¹⁾ ⁽²⁾
- Design to be conducted by non-FDOT pre-qualified consultant ⁽²⁾
- CEI to be conducted by in-house staff
- CEI to be conducted by FDOT pre-qualified consultant ⁽¹⁾ ⁽²⁾
- CEI to be conducted by non-FDOT pre-qualified consultant ⁽²⁾

⁽¹⁾ FDOT pre-qualified consultants must be used on all design and CEI work for critical projects (a project is considered critical when it is on the State Highway System (SHS), features a major structure, and/or has a budget greater than \$10 million)

⁽²⁾ Design consultant and CEI consultant shall not be the same.

- (b) Describe any public support of the proposed project. (Examples include written endorsement, formal declaration, resolution, public outreach presentations, Sign- in sheets, meeting minutes, flyers, social and/or newsletters)

A resolution supporting this proposed sidewalk project was approved by the St. Lucie County BOCC on February 18th, 2020.

- Public Support Documentation is attached (**Public_Support.pdf**)

- (c) Describe the proposed maintenance responsibilities for the project when it is completed.

St. Lucie County will be responsible for the ownership and maintenance of this sidewalk.

- Resolution from the responsible governing board confirming commitment to fund the project's O&M is attached. (**Resolution.pdf**)

5 Cost Estimate:

The total amount of funds allowed to be requested per projects (infrastructure) will vary depending on the selected program (CSLIP, TAP and/or LI).

Federal funds will be used to fund Construction and FDOT in-house support activities. Local Funds (LF) will be used for all non-participating items, contingency activities, Design activities, Construction Engineering and Inspection Activities (CEI), and any costs more than the awarded funding allocation.

See below for current breakdown:

Reimbursement Thresholds	CSLIP <i>(based on construction cost only)</i>	TAP <i>(based on total project cost)</i>	LI <i>(based on total project cost)</i>
Minimum	\$ 500,000	\$ 250,000	\$ 250,000
Maximum	\$ 3,000,000	\$ 1,000,000	\$ 5,000,000

- (a) Provide detailed project cost estimate. Estimate shall be broken down to eligible and non-eligible project costs. **Estimates are to be prepared and signed by a Professional Engineer from the Local Agency's Engineering office.**

Use the following links to access the basis of estimates manual as well as historical cost information for the project area:

[Basis of Estimates Manual](#)

[Historical Cost Information](#)

- A completed Engineer Cost estimate is attached. (*Required*)

Select and complete one of the attached Cost estimates as applicable:

- FDOT_administered_Cost_Estimate.xlsx
 LAP_administered_Cost_Estimate.xlsx

6 Certification of Project Sponsor:

I hereby certify that the proposed project herein described is supported by St. Lucie County (municipal, county, state or federal agency, or tribal council) and that said entity will:

- (1) provide any funding required in addition to the grant amount;
- (2) enter into a maintenance agreement (if FDOT administered project) or into a LAP agreement (if Agency administered project) with the Florida Department of Transportation;
- (3) have complied with the Federal Uniform Relocation Assistance and Acquisition Policies Act for any Right of Way actions intended for this project previously performed within the project limits;
- (4) will comply with NEPA process prior to construction, which may involve coordination with the State Historic and Preservation Office (SHPO); and
- (5) support other actions necessary to fully implement the proposed project.

I further certify that the estimated costs included herein are reasonable, and that increases in these costs could cause significant increase to the local agency required participation. I understand failure to follow through on the project once programmed in the Florida Department of Transportation's Work Program is not allowed.


Signature

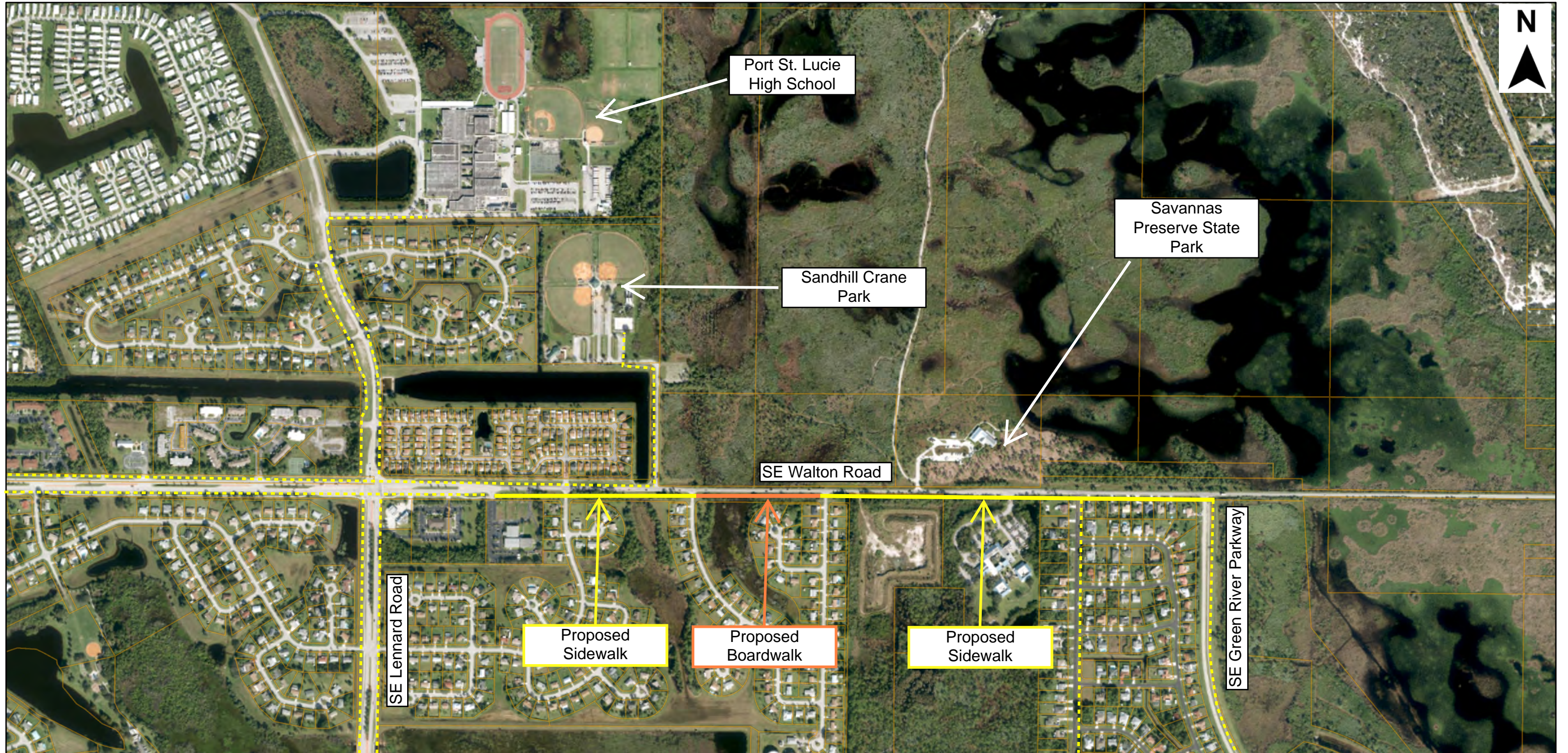
Don West
Name (please type or print)

Public Works Director
Title

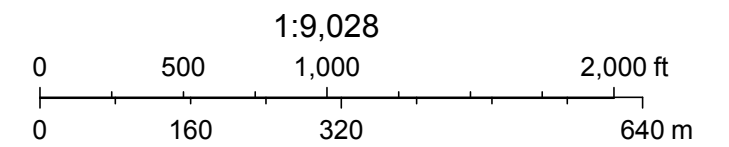
2/27/2020
Date

FOR FDOT USE ONLY		
Application Complete	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Project Eligible	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Implementation Feasible	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Include in Work Program	<input type="checkbox"/> Yes	<input type="checkbox"/> No

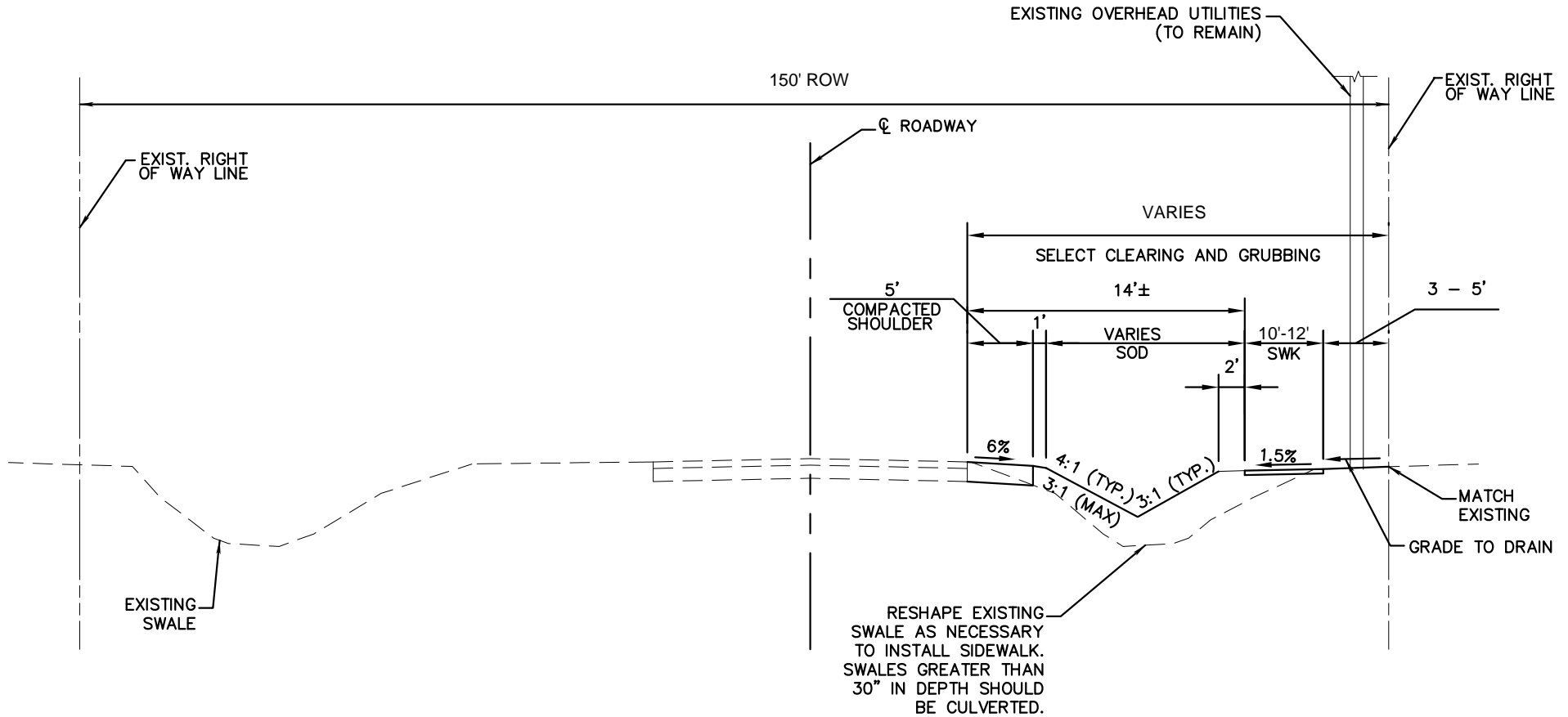
SE Walton Road Sidewalk from SE Lennard Road to SE Green River Parkway



December 31, 2019



GPI Geospatial, Inc.



**SE WALTON ROAD SIDEWALK
FROM SE LENNARD ROAD TO SE GREEN RIVER PARKWAY
TYPICAL SECTION**

NTS

2020 TRANSPORTATION ALTERNATIVES PROGRAM (TAP)

ENGINEERS COST ESTIMATE

(Use for Off-System Projects - Administered through LAP)

FM#123456-1-58-01

Project Title: SOUTH EAST WALTON ROAD SIDEWALK

Date: JANUARY 24th, 2020



St. Lucie Transportation Planning Organization

Pay Item Number*	Pay Item Description*	FHWA Participating				FHWA non-participating (Local funds)				Total Quantity	Total Engineer's Cost	
		Quantity	Unit	Engineer's Unit Cost	Engineer's Subtotal Cost	Quantity	Unit	Engineer's Unit Cost	Engineer's Subtotal Cost			
Roadway												
101-1A	Mobilization/Demobilization	1	LS	\$ 74,600.00	\$ 74,600.00				\$ -	1	\$ 74,600.00	
102-1A	Maintenance of Traffic	1	LS	\$ 20,000.00	\$ 20,000.00				\$ -	1	\$ 20,000.00	
104-2A	Prevention, Control & Abatement of Erosion & Water Pollution, NPDES, Environmental	1	LS	\$ 25,000.00	\$ 25,000.00				\$ -	1	\$ 25,000.00	
108-1	Construction Layout and Record Drawings				\$ -	1	LS	\$ 10,000.00	\$ 10,000.00	1	\$ 10,000.00	
110-1-2A	Clearing and Grubbing (Select)	3.22	AC	\$ 13,000.00	\$ 41,860.00				\$ -	3.22	\$ 41,860.00	
110-7-1A	Mailbox (Remove, Protect & Reset)	7	EA	\$ 200.00	\$ 1,400.00				\$ -	7	\$ 1,400.00	
120-1A	Regular Excavation/Embankment	1,519	CY	\$ 25.00	\$ 37,975.00				\$ -	1,519	\$ 37,975.00	
425-1-XXX	Inlets & Manholes (<10')	8	EA	\$ 2,600.00	\$ 20,800.00				\$ -	8	\$ 20,800.00	
430-174-XXX	Pipe Culvert (24" to 36" RCP)	800	LF	\$ 75.00	\$ 60,000.00				\$ -	800	\$ 60,000.00	
522-1	10' Concrete Sidewalk (4" Thick, 3000 PSI)	4,000	SY	\$ 40.00	\$ 160,000.00				\$ -	4,000	\$ 160,000.00	
522-1-1	12' Concrete Sidewalk (4" Thick, 3000 PSI)	670	SY	\$ 40.00	\$ 26,800.00				\$ -	670	\$ 26,800.00	
522-2	10' Concrete Sidewalk (6" Thick, 3000 PSI)	160	SY	\$ 60.00	\$ 9,600.00				\$ -	160	\$ 9,600.00	
522-2	Concrete Driveway Repair (6" Thick, 3000 PSI)	70	SY	\$ 60.00	\$ 4,200.00				\$ -	70	\$ 4,200.00	
	Pedestrian Boardwalk	900	LF	\$ 200.00	\$ 180,000.00				\$ -	900	\$ 180,000.00	
527-1	Detectable Warning Surface	15	EA	\$ 350.00	\$ 5,250.00				\$ -	15	\$ 5,250.00	
700-1-1A	Signs, Remove and Relocate	27	EA	\$ 200.00	\$ 5,400.00				\$ -	27	\$ 5,400.00	
711-11-123	Thermoplastic (Standard) (White) (Solid) (12")	670	LF	\$ 3.00	\$ 2,010.00				\$ -	670	\$ 2,010.00	
999-01	Utility Coordination				\$ -	1	LS	25000	\$ 25,000.00	1	\$ 25,000.00	
999-02	Wetland Mitigation	1	LS	\$ 100,000.00	\$ 100,000.00				\$ -		\$ 100,000.00	
570-1-2	Performance Turf (Sod) (Match Existing)	3,000	SY	\$ 2.50	\$ 7,500.00				\$ -	3000	\$ 7,500.00	
				TAP Funds for Construction	\$ 782,395.00	Local Funds for Construction				\$ 35,000.00	Subtotal	\$ 817,395.00
FDOT IN-HOUSE DESIGN SUPPORT (Phase 31) (REQUIRED)		1	LS	\$5,000	\$ 5,000.00	FDOT In-House Support must be included as an FHWA Participating Item						
ADDITIONAL FDOT IN-HOUSE DESIGN SUPPORT FOR CRITICAL PROJECTS		0	LS	\$2,000	\$ -							
FDOT IN-HOUSE CONSTRUCTION SUPPORT (Phase 61) (REQUIRED)		1	LS	\$5,000	\$ 5,000.00							
ADDITIONAL FDOT IN-HOUSE CONSTRUCTION SUPPORT FOR CRITICAL PROJECTS		0	LS	\$2,000	\$ -							
LOCAL FUNDS FOR DESIGN		Local Agency Design Work is not a FHWA Participating Item				1	LS		\$ -			
CONTINGENCY (REQUIRED)		Contingency is not a FHWA Participating Item				1	LS	20%	\$ 163,479.00			
TRANSIT RELATED PROJECTS (10% FTA ADMINISTRATIVE FEE)		Administrative Fee is not a FHWA Participating Item				0	LS	10%	\$ -			
LOCAL FUNDS FOR CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES (CEI)						1	LS	12%	\$ 4,200.00			
FDOT OVERSIGHT CEI (3% OF TOTAL CONSTRUCTION COST ESTIMATE) (Phase 62) (REQUIRED)		1	LS	3%	\$ 24,521.85	FDOT In-House Support must be included as an FHWA Participating Item						
					Subtotal FHWA Participating						Subtotal FHWA Non-Participating	Total Construction Cost Estimate
					\$ 816,916.85						\$ 202,679.00	\$ 1,019,595.85

*Projects on the State Highway System and Critical Projects SHALL utilize FDOT pay items numbers and descriptions.

Non-participating items:

- Mowing & Litter removal
- Engineering work; Optional services; Survey; Video inspection; MOT plans preparation; As-builts/record drawings
- Utility work -- this includes, but is not limited to: valve adjustments, utility relocations, FPL power pole relocations, AT&T directional bore, etc...
- Contingency

Other elements may be non-participating: the ones listed above are the commonly used pay items that are non-participating. If you have any questions regarding an eligible or non-participating item, please contact us.

Prepared by:

Peter DePasquale
Name:

PE Number: 56137

Signature:

2/27/2020
Date:

Reviewed by:

Selena Griffith
Name:

Signature:

2/27/2020
Date:

Approved by (Agency Responsible Charge):

Kimberly Graham
Name:

Signature:

2/27/2020
Date:

Item Description	Cost \$
(A) TOTAL Construction Cost Estimate ⁽¹⁾	\$817,395.00
(B) Cost Estimate of Eligible (participating) items ⁽²⁾	\$816,916.85

Funding Breakdown	Fund Source	Cost \$
(C) FDOT In-House Design Support (phase 31) ⁽³⁾	TAP	\$5,000.00
(D) (Critical projects only) FDOT In-House Design Support (phase 31) ⁽³⁾	TAP	\$0.00
(E) FDOT In-House Construction Support (phase 61) ⁽³⁾	TAP	\$5,000.00
(F) (Critical projects only) FDOT In-House Construction Support (phase 61) ⁽³⁾	TAP	\$0.00
(G) TAP funds requested for Construction (phase 58)	TAP	\$782,395.00
(H) Local Funds for Construction (phase 58)	LF	\$35,000.00
(I) Local Funds for Contingency (phase 58)	LF	\$163,479.00
(J) Local Funds for Design	LF	\$0.00
(K) Construction Engineering & Inspection Activities (CEI) (phase 68 - optional) ⁽⁴⁾	TAP	\$0.00
(L) Construction Engineering & Inspection Activities (CEI) (phase 68) ⁽⁴⁾	LF	\$4,200.00
(M) Transit Related projects FTA 10% administrative fees ⁽⁵⁾	LF	\$0.00
(N) FDOT Oversight CEI (3% of TOTAL Construction Cost Estimate) (phase 62) ⁽⁶⁾	TAP	\$24,521.85

Funding Summary	
(O) Total TAP funds ⁽⁷⁾	\$816,916.85
(P) Total LF funds	\$202,679.00
(Q) Total Funds	\$1,019,595.85

- Notes:
- (1) The Total Construction Cost Estimate in this field must be equal to the Total Construction Cost Estimate from the attached detailed project cost estimate.
 - (2) Cost Estimate of Eligible (participating) items must be equal to the Subtotal FHWA Participating from the attached detailed project cost estimate.
 - (3) FDOT In-House Design and Construction Support must be included in TAP funds for an amount no less than \$5,000, an additional \$2,000 is required for critical projects. This is a required item.
 - (4) It is strongly recommended that the applicant allocates a nominal amount for CEI. In the event that the project is programmed without any request for Phase 68 funding, there is no opportunity to allocate CEI funds based on bid savings.
 - (5) Any required Federal Transit Authority (FTA) administrative fees must be included in Local Funds.
 - (6) FDOT Oversight CEI must be included in TAP funds and be equal to 3% of the Total Construction Cost Estimate.
 - (7) Use of the term TAP represents the actual funding codes of TALT, TALU and TALL.



Coco Vista Centre
466 SW Port St. Lucie Blvd, Suite 111
Port St. Lucie, Florida 34953
772-462-1593 www.stlucietpo.org

AGENDA ITEM SUMMARY

Board/Committee: Technical Advisory Committee (TAC)

Meeting Date: March 17, 2020

Item Number: 6c

Item Title: Transportation Regional Incentive Program (TRIP) 2020 Grant Application

Item Origination: 2020 TRIP Grant Cycle

UPWP Reference: Task 5.1 – Models of Regional Planning Cooperation

Requested Action: Review and recommend endorsement of the TRIP grant application for the 2020 grant cycle, recommend endorsement with conditions, or do not recommend endorsement.

Staff Recommendation: Based on the project being a top-ranked TPO and regional project and nearly shovel-ready for construction, it is recommended that the TRIP grant application for the Midway Road Project be recommended to the TPO Board for endorsement.

Attachments

- Staff Report
- Midway Road Project TRIP Application Excerpts



Coco Vista Centre
466 SW Port St. Lucie Blvd, Suite 111
Port St. Lucie, Florida 34953
772-462-1593 www.stlucietpo.org

MEMORANDUM

TO: Technical Advisory Committee (TAC)

FROM: Peter Buchwald
Executive Director

DATE: March 10, 2020

SUBJECT: Transportation Regional Incentive Program (TRIP)
2020 Grant Application

BACKGROUND

In 2005, TRIP was created by Florida legislation for the purpose of providing State funding to improve regionally-significant transportation facilities, including transit facilities, located in regional transportation areas. In 2006, the Treasure Coast Transportation Council (TCTC), consisting of two members each from the St. Lucie TPO and the Indian River and Martin Metropolitan Planning Organizations (MPOs), was created as a regional transportation area to pursue TRIP funds for the Treasure Coast Region.

TRIP will pay for up to 50 percent of the non-federal share of the project or phase costs of transit projects and up to 50 percent of the total project or phase costs of other types of projects. Projects considered for TRIP funding must be identified as Regional Needs in the 2040 Treasure Coast Regional Long Range Transportation Plan (RLRTP). The TCTC prioritizes and selects projects for TRIP funding that are submitted by the Treasure Coast MPOs.

The Florida Department of Transportation District 4 (FDOT) has identified that the following TRIP funding is available to the TCTC and the District for the 2020 grant cycle:

Year of Funding	FY 2025/26
Approximate Funding for TCTC	\$2.7 million
Total Funding for District 4	\$7.1 million

It is anticipated for the TCTC to prioritize the TRIP applications for the 2020 grant cycle at its meeting on April 23rd. The TPO Advisory Committees are requested to recommend to the TPO Board for submittal to the TCTC the prioritization or endorsement of the TRIP grant applications that are received from the local agencies in the TPO area.

ANALYSIS

A TRIP application (excerpts attached) was submitted for the 2020 TRIP grant cycle by St. Lucie County for the construction of Midway Road that is expected to be the top-ranked project in the TPO's 2020/21 List of Priority Projects. Also prioritized in the Go2040 Long Range Transportation Plan and the St. Lucie County Comprehensive Plan, the proposed project consists of the widening of the existing two-lane section of Midway Road between Jenkins Road and Selvitz Road to four lanes with the addition of seven-foot buffered bike lanes, a six-foot sidewalk along the north side, and a 12-foot shared-use trail along the south side. In addition, bus bays will be installed at strategic locations on both sides of the segment. These multimodal improvements will encourage all forms of transportation to utilize the corridor.

Ranked by the RL RTP as a Top-Five Roadway Project, Midway Road is a major east-west thoroughfare connecting I-95 and State Route 70 to U.S. Highway 1. While the project will address existing and future multimodal capacity needs, the project also will improve regional safety and freight mobility and enhance regional emergency evacuation as part of the evacuation route network designated by the Florida Division of Emergency Management.

With the design of the project expected to be completed within a year and the acquisition of right-of-way for the project in progress, the project soon will be "shovel-ready" for construction. The estimated cost for the construction of the project is \$15 million, and the County is requesting \$1.25 million from the 2020 TRIP grant cycle. This TRIP funding along with County Incentive Grant Program funding and local and St. Lucie TPO funding and matches will allow the project to move forward to construction.

RECOMMENDATION

Based on the project being a top-ranked TPO and regional project and nearly shovel-ready for construction, it is recommended that the TRIP grant application for the Midway Road Project be recommended to the TPO Board for endorsement.

Transportation Regional Incentive Program (TRIP) Project Scoping Application

TRIP was created to improve regionally significant transportation facilities in “regional transportation areas.” State funds are available throughout Florida to provide incentives for local governments and the private sector to help pay for critically needed projects that benefit regional travel and commerce.

If selected for funding, the Florida Department of Transportation (FDOT) will pay for up to 50 percent of project/phase costs, or up to 50 percent of the non-federal share of project/phase costs for public transportation facility projects.

While there is no rigid application procedure, the Department has created this application to facilitate the assembly of pertinent project information by implementing agencies and Regional Transportation Areas related to candidate TRIP projects. The goal of this document is to provide a framework to project sponsors.

Regional Transportation Area: SEFTC or TCTC (Check one)

Implementing Local Agency:

Local Agency: **St. Lucie County**

Address: **2300 Virginia Avenue, Fort Pierce, FL 34982**

Project Manager: **Kimberly Graham**

Phone: **772-462-1707**

E-mail: **GrahamK@stlucieco.org**

Funding allocations for FY 25/26 is unknown until programming cycle in Fall 2020.

While the Department strives to statutorily divide the funding between the two regional transportation areas, programming will be subject to updating existing project cost estimates, the number of submitted eligible applications, and their associated cost estimates.

Project Information:

Project Name: Midway Road FDOT Project Number 231440-5

County Location: St. Lucie County

Facility (must be on the regional priority list of the respective regional transportation area):

Road number (if applicable): CR 712

Project limits (include begin/end limits): Jenkins Road to Selvitz Road

A location map with an aerial view is attached (Location_Map.pdf)

Scope of work to be performed or capital equipment to be purchased, please include the typical section: (for transit project include quantities and cost per item, i.e. bus, train, passenger shelters, benches etc...):

Midway Road (CR 712) is a major east-west roadway that provides a vital connection to residents and commuters to and from Interstate 95 (I-95) to the commercial areas along US 1. Midway Road (CR 712) is functionally classified as an Urban Principal Arterial and is designated as a hurricane evacuation route by the Florida Division of Emergency Management.

The existing roadway typical section consists of an undivided rural roadway with two 12-foot lanes, one in each direction. The existing right-of-way (R/W) varies with a minimum width of 70 feet. Left and right turn lanes are present in multiple locations to provide access to the existing side streets and developments.

The proposed typical section will expand (reconstruct) the existing road within the project limits providing 4-lanes (2 in each direction) in order to satisfy the future traffic demand and capacity needs. The proposed urban typical section consists of 11-foot travel lanes, 7-foot buffered bike lanes, and Type F curb and gutter (inside and outside). The design speed of Midway Road/CR 712 is 45 mph. Pedestrians will be accommodated on a 6-foot sidewalk along the north side of the roadway and a 12-foot shared use path along the south side. There will be a small segment of milling and resurfacing (with widening) at the eastern project termini. The project will also implement a closed drainage system which routes stormwater to ponds for treatment. The existing C-103 Canal located on the south side of the roadway will be enclosed in an 11' x 6' concrete box culvert.

A more detailed scope of work is attached. (Use attached Scope.doc)

Typical section is attached (Typical_Section.pdf)

Explain how the project enhances the regional transportation system.

This project will enhance the regional transportation network by expanding capacity on Midway Road for vehicular traffic. In addition, bus bays are provided for the future expansion of bus service to the area. Pedestrian and bicycle access will be improved with the addition of sidewalk, a shared use path, and buffered bike lanes.

St. Lucie County has been systematically improving Midway Road to provide a 4-lane evacuation route from the coastal areas of Fort. Pierce to I-95. This project (231440-5) along with the adjacent project, currently under design, (231440-4) will complete the missing link completing the 4-lane corridor.

Describe the project and what it will accomplish.

Is the project consistent with:

- Long Range Transportation Plan
- Transit Development Plan
- Transportation Improvement Plan
- Local Comprehensive Plan(s)

Please provide the priorities and identify the page numbers for each below:

St. Lucie TPO LRTP – page 6-5
Transit Development Plan – N/A
Transportation Improvement Plan – page C1-22
Local Comprehensive Plan pages 2-27, 2-33, 2-37, 2-39, 2-45
Treasure Coast Regional LRTP pages 6-2, 8-7, 9-3

The project will be the number one priority in the upcoming LRTP update. The project is identified in the St. Lucie County TPO Go 2040 LRTP Cost Feasible Plan (2016-2040) with a 2021-2030 implementation horizon. In addition, the project is included in the State Transportation Improvement Program (TIP) and the St. Lucie TPO TIP.

Describe how the project will improve regional mobility within the Regional Transportation Area:

(For example, describe how this transit project facilitates the intermodal or multimodal movement of people and/or goods.)

The inclusion of buffered bike lanes, a 6' wide sidewalk, a 12' wide multi-use path, and bus bays will encourage all forms of transportation to utilize the corridor.

Illustrate how the project reflects the statutory (339.2819) guidelines under which the District will prioritize and select candidate projects for funding:

- Provide connectivity to the SIS
- Support economic development and goods movement in rural areas of opportunity
- Are subject to local ordinances that establish corridor management techniques
- Improve connectivity between military installations and the Strategic Highway Network (STRAHNET) or the Strategic Rail Corridor Network (STRACNET)

Midway Road is a major east-west road that connects residents and commuters to and from Interstate 95 (I-95) and to the commercial areas along US Highway 1 (US 1). The primary purpose for this project is to address existing and future capacity needs. The secondary purpose is to improve safety by alleviating existing roadway and capacity deficiencies, and allow opportunities for pedestrian, bicycle, and transit facilities. The additional capacity will also improve freight mobility and enhance emergency evacuation along the project corridor. Serving as part of the evacuation route network established by the Florida Division of Emergency Management, Midway Road (CR 712) plays an important role in facilitating traffic during emergency evacuation periods as it connects other major highways and arterials designated on the state evacuation route network within the project limits. These facilities include Okeechobee Road (SR 70), I-95, Glades Cut Off Road (CR 709), Selvitz Road, South 25th Street (CR 615), Oleander Avenue (CR 605), and US 1.

How will TRIP funding accelerate the project’s implementation?

The current construction cost estimate for this project is \$15,000,000. At this time, only \$2,000,000 in FY 2024 has been committed via the St. Lucie TPO TIP. The addition of TRIP funding will allow the project to move forward to construction earlier. The project is currently at 60% design, and the design is anticipated to be complete by FY2021.

Provide detailed project cost estimates for each phase requested (required). Construction estimates shall be broken down to FDOT typical pay items to allow for verification of eligible project costs. Estimates are to be prepared and signed by a Professional Engineer from the Local Agency’s Engineering office. Each phase requested (ie, design, right-of-way, construction, CEI) requires a 50% local agency match. **Right-of-Way acquisition is NOT permitted on projects the Department is delivering on behalf of the local agency when TRIP funds are matched with local funds. Right-of-way acquisition is permitted on projects the Department is delivering when TRIP funds are matched with SU funds. Right-of-Way acquisition is permitted on Off-system projects in which the local agency is delivering the project.**

For transit projects include a budget in accordance with FTA guidance for the Section 5307 Program consistent with FTA C 9030.1.

A detailed cost estimate is attached (use attached Estimate.xlsx) – FDOT Long Range Estimate

Describe source of matching funds per phase requested and any restrictions on availability. Each phase requested (ie, design, right-of-way, construction, CEI) requires at least a 50% local agency match. Each phase requested shall be separated by at least 2 fiscal years (the Department’s fiscal year runs from July to June).

The County will use Roads Impact Fees as matching funds.

Phases requested:	FY requested	FDOT Amount requested	Local Match
<input type="checkbox"/> Design	_____	_____	_____
<input type="checkbox"/> Right of Way	_____	_____	_____
<input checked="" type="checkbox"/> Construction	FY2024	\$1,250,000	\$1,250,000
<input type="checkbox"/> CEI	_____	_____	_____

Project Qualification Information:

- Will this project affect any historic property that is included or eligible for inclusion in the National Register of Historic Places? If so, has the Division of Historical Resources been given a chance to comment on the project?

No historical properties are present in the project corridor

- Will this project involve the demolition or substantial alteration of a historic property in a way which adversely affects the character, form, integrity, or other qualities which contribute to the historical, architectural, or archaeological value of the property? If so, timely steps must be taken to determine that no feasible and prudent alternative to demolition or substantial alteration exists, and, where no such alternative exists, timely steps must be taken to mitigate the adverse effects or to undertake an appropriate archaeological salvage excavation or other recovery action to document the property as it existed prior to demolition or alteration.

No historical properties are present in the project corridor

Please note. If federal funding or a federal permit will be involved, then the requirements of the National Historic Preservation Act of 1966 (as amended) and 36 Code of Federal Regulations Part 800 apply.

The Department's process for complying with federal and state historic preservation requirements is found in the Project Development and Environment Manual; Part 2, Chapter 8 (Archeological and Historical Resources). If the local agency does not have its own process, we recommend they use the Department's.

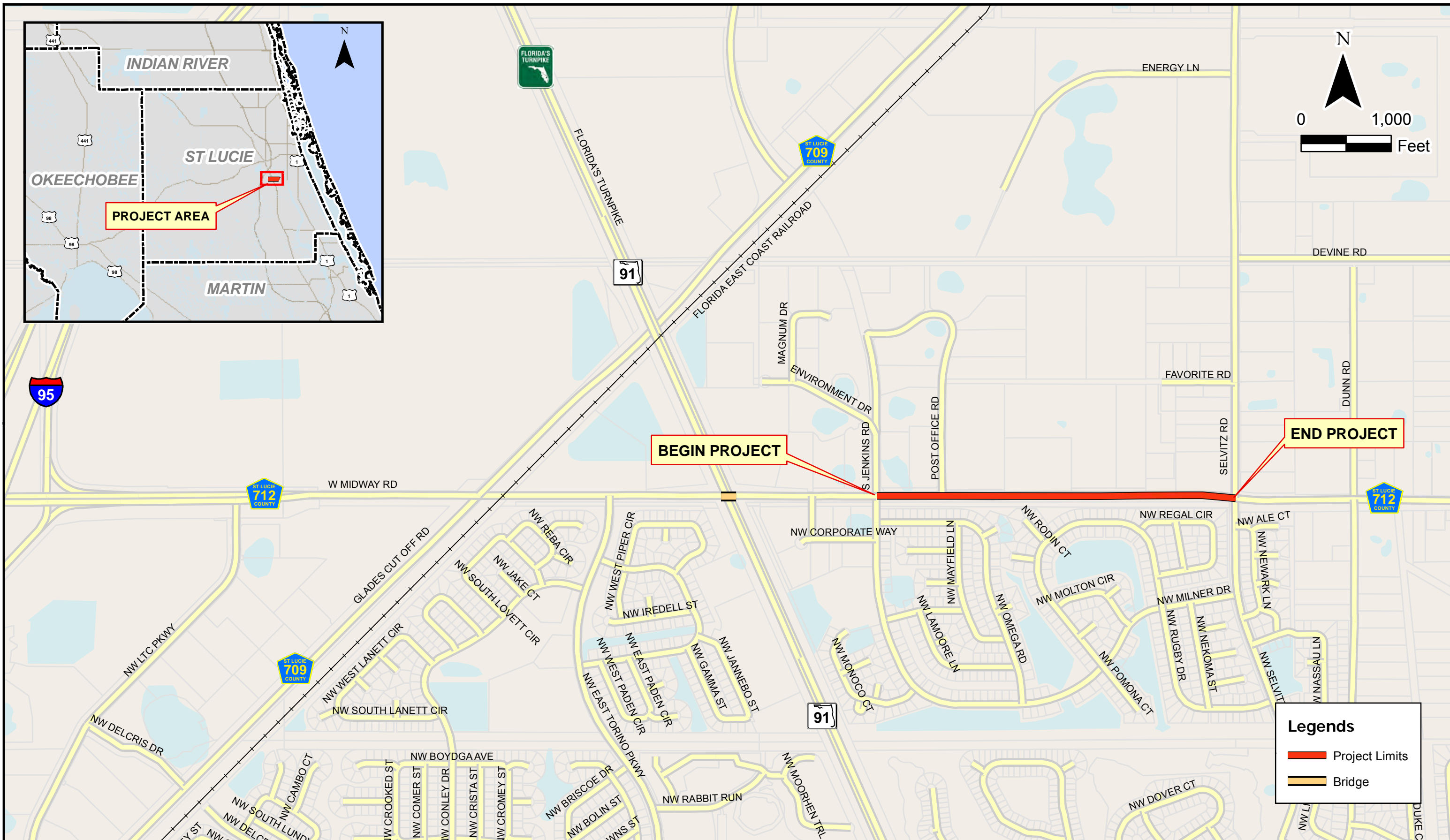
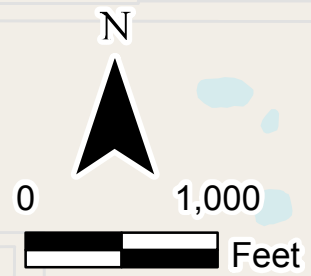
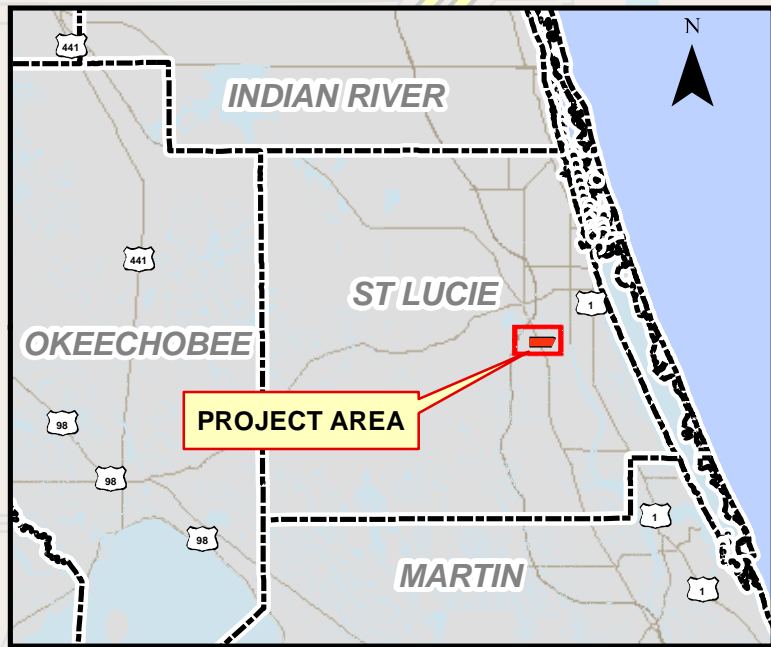
- Describe the project's existing Right-of-Way ownerships. This description shall identify when the Right-of-Way was acquired and how ownership is documented (i.e. plats, deeds, prescriptions, certified surveys, easements).

St. Lucie County – owns and maintains Midway Road right of way

Parcel 103 – (South side of Midway Road from Turnpike to Selvitz Road) will be acquired by FDOT to accommodate the proposed roadway construction

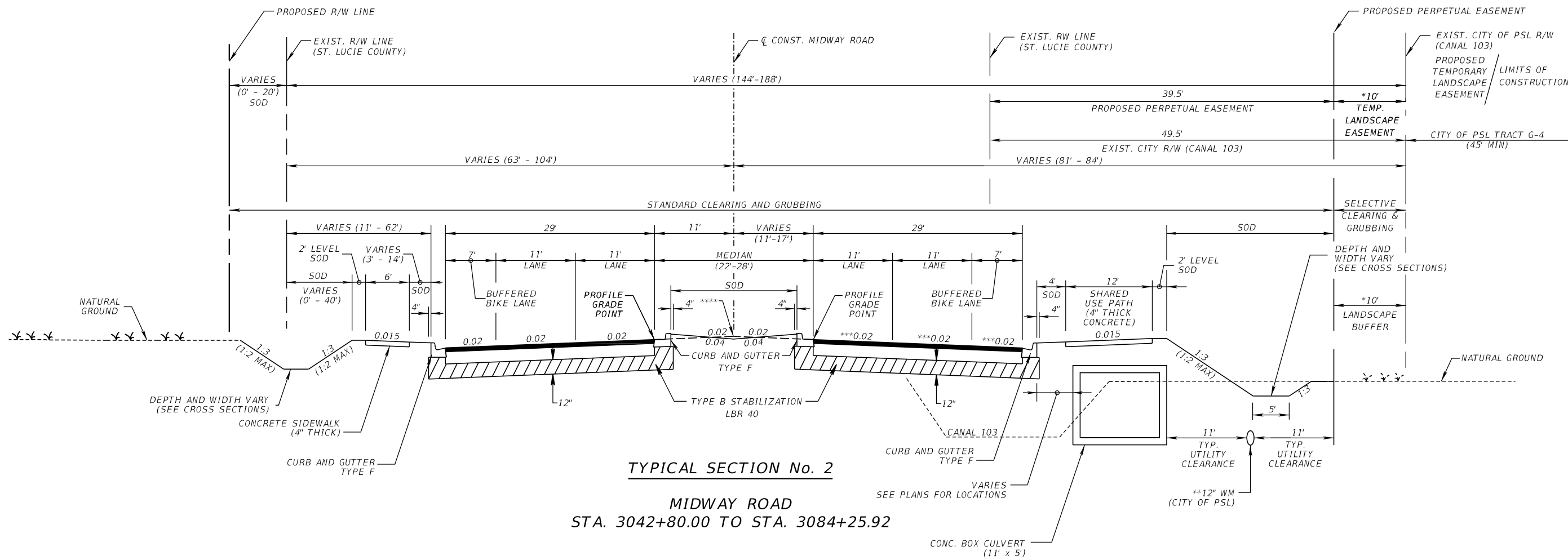
Please transmit a Regional Prioritize List, with the Project Applications and any additional supporting information and documentation to your respective TRIP Coordinator.

This document has been developed at an overview level; please refer to the FDOT Office of Policy Planning website (<http://www.fdot.gov/planning>) or contact Sabrina Aubery, FDOT District 4 TRIP Coordinator for detailed program requirements.



Legends

- Project Limits
- Bridge



TYPICAL SECTION No. 2
MIDWAY ROAD
STA. 3042+80.00 TO STA. 3084+25.92

TRAVEL AND BIKE LANES
OPTIONAL BASE GROUP 10
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1½")
 TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1½") (PG 76-22)
 FRICTION COURSE FC-12.5 (TRAFFIC D) (1½") (PG 76-22)

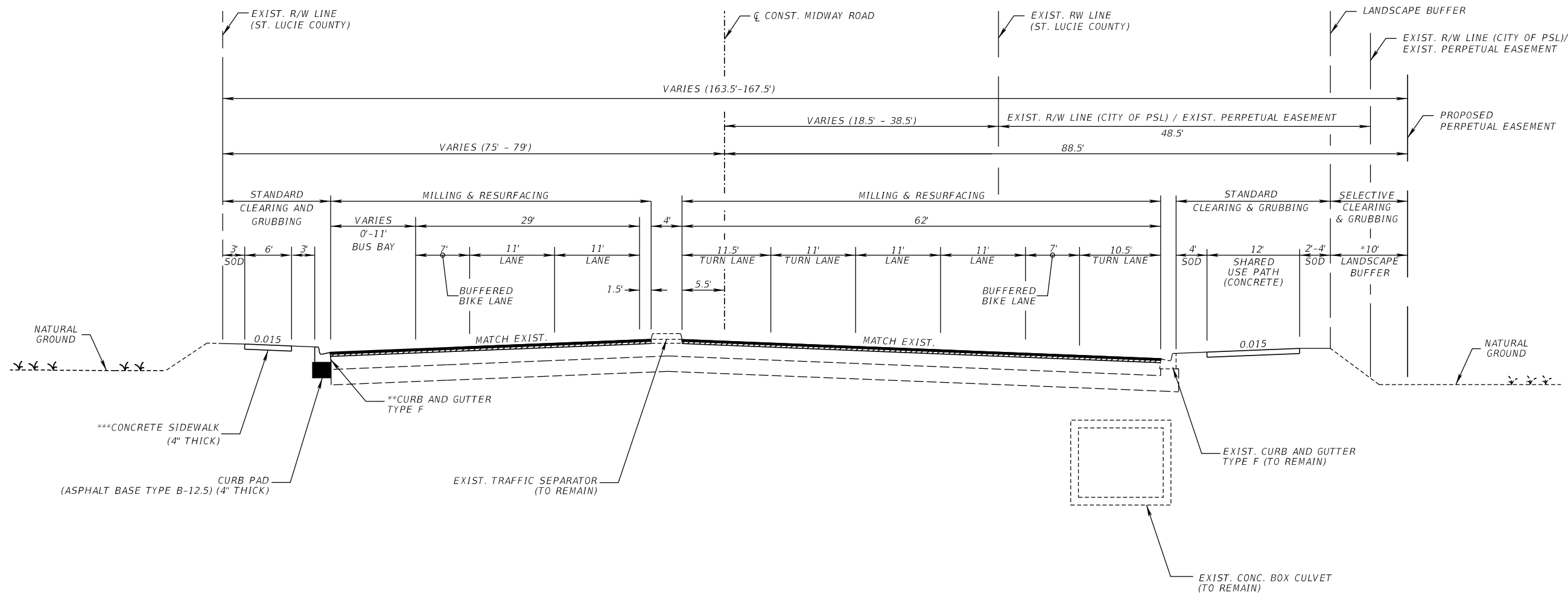
TRAFFIC DATA

CURRENT YEAR = 2015 AADT = 15,600
 ESTIMATED OPENING YEAR = 2024 AADT = 20,800
 ESTIMATED DESIGN YEAR = 2044 AADT = 36,500
 K = 11.57% D = 26.3% T = 19.5% (24 HOUR)
 DESIGN SPEED = 45 MPH

- NOTES:**
- * AREA TO BE CLEARED OF EXOTIC SPECIES. EXISTING NATIVE VEGETATION TO REMAIN AND BE SUPPLEMENTED WITH ADDITIONAL PLANTINGS. SEE LANDSCAPE PLANS/ SELECTIVE CLEARING AND GRUBBING FOR DETAILS.
 - ** SEE UTILITY WORK BY HIGHWAY CONTRACTOR PLANS FOR DETAILS.
 - *** e = RC STA. 3077+00.00 TO STA. 3081+24.00
 - **** PROFILE GRADE POINT STA. 3074+60.00 TO STA. 3084+25.92

REVISIONS				ENGINEER OF RECORD Andrew D. DeWitt, PE PE No. 40952 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 9
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					CR 712	ST. LUCIE	231440-5-52-01	TYPICAL SECTION

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



TYPICAL SECTION No. 3

MIDWAY ROAD

STA. 3084+25.92 TO STA. 3087+75.94

**CONSTRUCT CURB & GUTTER FROM STA. 3084+25.92 TO STA. 3085+86.38
 ***CONSTRUCT CONCRETE SIDEWALK FROM STA. 3084+25.92 TO STA. 3085+86.38

EXISTING TRAVEL LANES

MILL EXISTING ASPHALT FOR DEPTH (1½")
 FRICTION COURSE FC-12.5 (TRAFFIC D) (1½") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR = 2015 AADT = 15,600
 ESTIMATED OPENING YEAR = 2024 AADT = 20,800
 ESTIMATED DESIGN YEAR = 2044 AADT = 36,500
 K = 11.57% D = 26.3% T = 19.5% (24 HOUR)
 DESIGN SPEED = 45 MPH

NOTES:
 * AREA TO BE CLEARED OF EXOTIC SPECIES. EXISTING NATIVE VEGETATION TO REMAIN AND BE SUPPLEMENTED WITH ADDITIONAL PLANTINGS. SEE LANDSCAPE PLANS/ SELECTIVE CLEARING AND GRUBBING FOR DETAILS.

REVISIONS				ENGINEER OF RECORD Andrew D. DeWitt, PE PE No. 40952 Inwood Consulting Engineers, Inc. 3000 Dovera Drive, Suite 200 Oviedo, Florida 32765 Certificate of Authorization No. 7074	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. 10
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					CR 712	ST. LUCIE	231440-5-52-01	TYPICAL SECTION

ENGINEERS COST ESTIMATE

(Must be Used for Projects Administered by FDOT)
Project Description: Midway Road FDOT Project Number 231440-5

Pay Item Number*	Pay Item Description*	Participating				**Non-participating (Local funds)				Total Quantity	Total Engineer's Cost
		Quantity	Unit	Engineer's Unit Cost	Engineer's Subtotal Cost	Quantity	Unit	Engineer's Unit Cost	Engineer's Subtotal Cost		
101-1	MOBILIZATION	1.00	LS	\$ 1,029,867.92	\$ 1,029,867.92			\$ -	\$ -	1.00	\$ 1,029,867.92
102-1	MAINTENANCE OF TRAFFIC	1.00	LS	\$ 1,170,304.45	\$ 1,170,304.45			\$ -	\$ -	1.00	\$ 1,170,304.45
104-10-3	SEDIMENT BARRIER	10,191.46	LF	\$ 1.60	\$ 16,306.34			\$ -	\$ -	10,191.46	\$ 16,306.34
104-11	FLOATING TURBIDITY BARRIER	214.29	LF	\$ 9.86	\$ 2,112.90			\$ -	\$ -	214.29	\$ 2,112.90
104-12	STAKED TURBIDITY BARRIER- NYLON REINFORCED PVC	214.29	LF	\$ 5.65	\$ 1,210.74			\$ -	\$ -	214.29	\$ 1,210.74
104-15	SOIL TRACKING PREVENTION DEVICE	2.00	EA	\$ 3,032.50	\$ 6,065.00			\$ -	\$ -	2.00	\$ 6,065.00
104-18	INLET PROTECTION SYSTEM	45.00	EA	\$ 108.56	\$ 4,885.20			\$ -	\$ -	45.00	\$ 4,885.20
110-1-1	CLEARING & GRUBBING	21.26	AC	\$ 15,000.00	\$ 318,900.00			\$ -	\$ -	21.26	\$ 318,900.00
110-2-2	ELECTIVE CLEARING AND GRUBBING, AREAS WITH TREES TO REMAIN	0.95	AC	\$ 20,112.15	\$ 19,106.54			\$ -	\$ -	0.95	\$ 19,106.54
110-4-10	REMOVAL OF EXISTING CONCRETE	940.00	SY	\$ 25.00	\$ 23,500.00			\$ -	\$ -	940.00	\$ 23,500.00
120-1	REGULAR EXCAVATION	38,720.00	CY	\$ 9.47	\$ 366,678.40			\$ -	\$ -	38,720.00	\$ 366,678.40
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	411.00	CY	\$ 15.00	\$ 6,165.00			\$ -	\$ -	411.00	\$ 6,165.00
120-6	EMBANKMENT	41,323.66	CY	\$ 8.00	\$ 330,589.28			\$ -	\$ -	41,323.66	\$ 330,589.28
160-4	TYPE B STABILIZATION	47,398.83	SY	\$ 8.15	\$ 386,300.46			\$ -	\$ -	47,398.83	\$ 386,300.46
285-701	OPTIONAL BASE, BASE GROUP 01	602.00	SY	\$ 20.05	\$ 12,070.10			\$ -	\$ -	602.00	\$ 12,070.10
285-710	OPTIONAL BASE, BASE GROUP 10	39,358.95	SY	\$ 18.00	\$ 708,461.10			\$ -	\$ -	39,358.95	\$ 708,461.10
327-70-6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	4,628.15	SY	\$ 2.95	\$ 13,653.04			\$ -	\$ -	4,628.15	\$ 13,653.04
334-1-14	SUPERPAVE ASPHALTIC CONC, TRAFFIC D	3,277.50	TN	\$ 118.07	\$ 386,974.43			\$ -	\$ -	3,277.50	\$ 386,974.43
334-1-54	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC D, PG76-22	3,245.29	TN	\$ 115.00	\$ 373,208.35			\$ -	\$ -	3,245.29	\$ 373,208.35
337-7-85	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC D, FC-12.5, PG 76-22	3,676.72	TN	\$ 151.08	\$ 555,478.86			\$ -	\$ -	3,676.72	\$ 555,478.86
400-2-2	CONCRETE CLASS II, ENDWALLS	41.00	CY	\$ 1,640.37	\$ 67,255.17			\$ -	\$ -	41.00	\$ 67,255.17
400-4-1	CONCRETE CLASS IV, CULVERTS	3,971.80	CY	\$ 1,100.00	\$ 4,368,980.00			\$ -	\$ -	3,971.80	\$ 4,368,980.00
415-1-1	REINFORCING STEEL- ROADWAY	500,204.00	LB	\$ 0.85	\$ 425,173.40			\$ -	\$ -	500,204.00	\$ 425,173.40
425-1-351	INLETS, CURB, TYPE P-5, <10'	13.00	EA	\$ 5,078.02	\$ 66,014.26			\$ -	\$ -	13.00	\$ 66,014.26
425-1-361	INLETS, CURB, TYPE P-6, <10'	7.00	EA	\$ 5,516.85	\$ 38,617.95			\$ -	\$ -	7.00	\$ 38,617.95
425-1-451	INLETS, CURB, TYPE J-5, <10'	15.00	EA	\$ 9,616.17	\$ 144,242.55			\$ -	\$ -	15.00	\$ 144,242.55
425-1-461	INLETS, CURB, TYPE J-6, <10'	7.00	EA	\$ 9,545.65	\$ 66,819.55			\$ -	\$ -	7.00	\$ 66,819.55
425-1-483	INLETS, CURB, TYPE 8, 1 BOT, <10'	4.00	EA	\$ 11,183.18	\$ 44,732.72			\$ -	\$ -	4.00	\$ 44,732.72
425-1-521	INLETS, DT BOT, TYPE C, <10'	22.00	EA	\$ 3,158.92	\$ 69,496.24			\$ -	\$ -	22.00	\$ 69,496.24
425-1-541	INLETS, DT BOT, TYPE D, <10'	3.00	EA	\$ 4,872.47	\$ 14,617.41			\$ -	\$ -	3.00	\$ 14,617.41
425-1-543	INLETS, DITCH BOTTOM, TYPE D, J BOT, <10'	1.00	EA	\$ 4,248.18	\$ 4,248.18			\$ -	\$ -	1.00	\$ 4,248.18
425-1-589	INLETS, DT BOT, TYPE H, MODIFY	1.00	EA	\$ 9,346.23	\$ 9,346.23			\$ -	\$ -	1.00	\$ 9,346.23
425-2-41	MANHOLES, P-7, <10'	1.00	EA	\$ 3,999.05	\$ 3,999.05			\$ -	\$ -	1.00	\$ 3,999.05
425-2-61	MANHOLES, P-8, <10'	3.00	EA	\$ 3,908.56	\$ 11,725.68			\$ -	\$ -	3.00	\$ 11,725.68
425-2-71	MANHOLES, J-7, <10'	2.00	EA	\$ 6,876.30	\$ 13,752.60			\$ -	\$ -	2.00	\$ 13,752.60
425-2-91	MANHOLES, J-8, <10'	2.00	EA	\$ 8,255.78	\$ 16,511.56			\$ -	\$ -	2.00	\$ 16,511.56
430-175-118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"/CD	1,392.00	LF	\$ 79.31	\$ 110,399.52			\$ -	\$ -	1,392.00	\$ 110,399.52
430-175-124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"/CD	1,616.00	LF	\$ 103.02	\$ 166,480.32			\$ -	\$ -	1,616.00	\$ 166,480.32
430-175-130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"/CD	304.00	LF	\$ 114.60	\$ 34,838.40			\$ -	\$ -	304.00	\$ 34,838.40
430-175-136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"/CD	424.00	LF	\$ 122.44	\$ 51,914.56			\$ -	\$ -	424.00	\$ 51,914.56
430-175-142	PIPE CULVERT, OPT MATERIAL, ROUND, 42"/CD	112.00	LF	\$ 141.70	\$ 15,870.40			\$ -	\$ -	112.00	\$ 15,870.40
430-175-148	PIPE CULVERT, OPT MATERIAL, ROUND, 48"/CD	728.00	LF	\$ 160.89	\$ 117,127.92			\$ -	\$ -	728.00	\$ 117,127.92
430-175-154	PIPE CULVERT, OPT MATERIAL, ROUND, 54"/CD	1,176.00	LF	\$ 267.19	\$ 314,215.44			\$ -	\$ -	1,176.00	\$ 314,215.44
430-175-160	PIPE CULVERT, OPT MATERIAL, ROUND, 60"/CD	680.00	LF	\$ 347.85	\$ 236,538.00			\$ -	\$ -	680.00	\$ 236,538.00
430-175-218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER-ELIP/ARCH, 18"/CD	8.00	LF	\$ 96.89	\$ 775.12			\$ -	\$ -	8.00	\$ 775.12
430-175-248	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 48"/CD	968.00	LF	\$ 270.18	\$ 261,534.24			\$ -	\$ -	968.00	\$ 261,534.24
430-982-143	MITERED END SECTION, OPTIONAL ROUND, 60" CD	1.00	EA	\$ 13,995.80	\$ 13,995.80			\$ -	\$ -	1.00	\$ 13,995.80
520-1-10	CONCRETE CURB & GUTTER, TYPE F	16,933.49	LF	\$ 21.00	\$ 355,603.29			\$ -	\$ -	16,933.49	\$ 355,603.29
520-5-41	RAFFIC SEPARATOR CONCRETE- TYPE IV, 4' WIDE	3,014.00	LF	\$ 40.00	\$ 120,560.00			\$ -	\$ -	3,014.00	\$ 120,560.00
520-70	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	74.20	SY	\$ 79.58	\$ 5,904.84			\$ -	\$ -	74.20	\$ 5,904.84
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	8,991.84	SY	\$ 40.00	\$ 359,673.60			\$ -	\$ -	8,991.84	\$ 359,673.60
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	182.40	SY	\$ 46.69	\$ 8,516.26			\$ -	\$ -	182.40	\$ 8,516.26
523-1	PATTERNED PAVEMENT, VEHICULAR AREAS	120.00	SY	\$ 91.97	\$ 11,036.40			\$ -	\$ -	120.00	\$ 11,036.40
523-2	PATTERNED PAVEMENT, NON-VEHICULAR AREAS	1,140.00	SY	\$ 46.00	\$ 52,440.00			\$ -	\$ -	1,140.00	\$ 52,440.00
530-3-3	RIPRAP- RUBBLE, BANK AND SHORE	89.60	TN	\$ 98.12	\$ 8,791.55			\$ -	\$ -	89.60	\$ 8,791.55
550-10-220	FENCING, TYPE B, 5.1 6.0', STANDARD	2,360.00	LF	\$ 15.04	\$ 35,494.40			\$ -	\$ -	2,360.00	\$ 35,494.40
550-60-234	FENCE GATE, TYPE B, SLIDING/CANTILEVER, 18.1-20.0' OPENING	2.00	EA	\$ 1,869.36	\$ 3,738.72			\$ -	\$ -	2.00	\$ 3,738.72
570-1-1	PERFORMANCE TURF	42,526.64	SY	\$ 1.62	\$ 68,893.16			\$ -	\$ -	42,526.64	\$ 68,893.16
570-1-2	PERFORMANCE TURF, SOD	8,291.71	SY	\$ 3.28	\$ 27,196.81			\$ -	\$ -	8,291.71	\$ 27,196.81
580-1-1	LANDSCAPE COMPLETE- SMALL PLANTS	1.00	LS	\$ 75,000.00	\$ 75,000.00			\$ -	\$ -	1.00	\$ 75,000.00
580-1-2	LANDSCAPE COMPLETE- LARGE PLANTS	1.00	LS	\$ 130,000.00	\$ 130,000.00			\$ -	\$ -	1.00	\$ 130,000.00
590-70	IRRIGATION SYSTEM	1.00	LS	\$ 60,000.00	\$ 60,000.00			\$ -	\$ -	1.00	\$ 60,000.00
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	2,000.00	LF	\$ 7.97	\$ 15,940.00			\$ -	\$ -	2,000.00	\$ 15,940.00
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	2,000.00	LF	\$ 18.34	\$ 36,680.00			\$ -	\$ -	2,000.00	\$ 36,680.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	3.00	EA	\$ 697.32	\$ 2,091.96			\$ -	\$ -	3.00	\$ 2,091.96
635-2-12	PULL & SPLICE BOX, F&I, 24" x 36" COVER SIZE	3.00	EA	\$ 1,146.69	\$ 3,440.07			\$ -	\$ -	3.00	\$ 3,440.07
635-3-12	JUNCTION BOX, FURNISH & INSTALL, MOUNTED	2.00	EA	\$ 578.38	\$ 1,156.76			\$ -	\$ -	2.00	\$ 1,156.76
660-2-102	LOOP ASSEMBLY, F&I, TYPE B	8.00	AS	\$ 907.33	\$ 7,258.64			\$ -	\$ -	8.00	\$ 7,258.64
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	39.00	AS	\$ 444.33	\$ 17,328.87			\$ -	\$ -	39.00	\$ 17,328.87
700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	7.00	AS	\$ 1,098.73	\$ 7,691.11			\$ -	\$ -	7.00	\$ 7,691.11
700-1-13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	3.00	AS	\$ 1,461.90	\$ 4,385.70			\$ -	\$ -	3.00	\$ 4,385.70
700-1-60	SINGLE POST SIGN, REMOVE	31.00	AS	\$ 24.01	\$ 744.31			\$ -	\$ -	31.00	\$ 744.31
700-2-13	MULTI- POST SIGN, F&I GROUND MOUNT, 21-30 SF	1.00	AS	\$ 3,160.43	\$ 3,160.43			\$ -	\$ -	1.00	\$ 3,160.43
700-2-60	MULTI- POST SIGN, REMOVE	1.00	AS	\$ 376.34	\$ 376.34			\$ -	\$ -	1.00	\$ 376.34
706-3	RETRO REFLECTIVE/RAISED PAVEMENT MARKERS	707.00	EA	\$ 3.77	\$ 2,665.39			\$ -	\$ -	707.00	\$ 2,665.39
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDAABOUT	1,234.80	LF	\$ 1.61	\$ 1,988.03			\$ -	\$ -	1,234.80	\$ 1,988.03
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	704.00	LF	\$ 2.21	\$ 1,555.84			\$ -	\$ -	704.00	\$ 1,555.84
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	448.00	LF	\$ 3.82	\$ 1,711.36			\$ -	\$ -	448.00	\$ 1,711.36
711-11-341	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6 10' GAP EXTENSION, 6"	0.59	GM	\$ 1,612.02	\$ 951.09			\$ -	\$ -	0.59	\$ 951.09
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	4.00	EA	\$ 99.91	\$ 399.64			\$ -	\$ -	4.00	\$ 399.64
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	56.00	EA	\$ 71.34	\$ 3,995.04			\$ -	\$ -	56.00	\$ 3,995.04
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	707.00	LF	\$ 2.15	\$ 1,520.05			\$ -	\$ -	707.00	\$ 1,520.05

711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	34.00	EA	\$	159.33	\$	5,417.22				\$	-	34.00	\$	5,417.22	
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	3.14	GM	\$	5,203.75	\$	16,339.78						3.14			
711-16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	0.68	GM	\$	6,038.33	\$	4,106.06				\$	-	0.68	\$	4,106.06	
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	1.57	GM	\$	1,407.70	\$	2,210.09						1.57	\$	2,210.09	
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	3.14	GM	\$	5,134.92	\$	16,123.65						3.14	\$	16,123.65	
				Funds for Construction (Phase 52)	\$	13,903,216.82	Local Funds for Construction (Phase 52)	\$	-	Subtotal	\$	-		\$	13,886,877.05	
				DESIGN (FDOT IN-HOUSE/CONSULTANT) (Phase 32)	1	LS	15%	\$2,083,031.56								
				ENVIRONMENTAL SERVICES (Phase C-2)	1	LS		\$30,000.00								
				CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES (CEI) (Phase 62-01)	1	LS										
				POST DESIGN SERVICES (Phase 62-02)	1	LS										
				CONTINGENCY	Contingency is not a FHWA Participating Item					1	LS	\$1,145,032.00	\$1,145,032.00			
				FDOT IN-HOUSE CONSTRUCTION SUPPORT (Phase 61)	1	LS	1%	\$	138,868.77	FDOT In-House Support must be included as an FHWA Participating Item						
				FDOT IN-HOUSE DESIGN SUPPORT (Phase 31)	1	LS										
								\$	16,016,248.38			\$	1,145,032.00		\$	17,161,280.38
									Subtotal FHWA Participating				Subtotal FHWA Non-Participating		Total Construction Cost Estimate	

PLEASE NOTE: DESIGN, ENVIRONMENTAL, CEI, AND POST DESIGN SERVICES ARE ESTIMATES ONLY. THESE COSTS MAY CHANGE AFTER FDOT REVIEW OF THE PROJECT AND OVER THE LIFE OF THE PROJECT BASED ON THE PROJECT'S COMPLEXITY. THE LOCAL AGENCY WILL BE RESPONSIBLE FOR ALL COSTS IN EXCESS OF THE FDOT FUNDING ALLOCATION. THIS IS ONLY A GUIDE.

FEE GUIDELINES FOR: DESIGN, FDOT IN-HOUSE CONSTRUCTION SUPPORT, CEI, AND POST DESIGN SERVICES based on percentage of construction cost estimate:

Construction Cost Estimate	\$250K - \$500K	\$500K - \$1.5M	\$1.5M - \$3.5M	\$3.5M - \$5M	\$5M - \$10M	over \$10M
DESIGN (FDOT IN-HOUSE/CONSULTANT) (Phase 32)	45%	35%	19%	17%	15%	15%
FDOT IN-HOUSE CONSTRUCTION SUPPORT (Phase 61)	11%	6%	4%	1.5%	1.5%	1.0%
CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES (CEI) (Phase 62-01)	17%	13%	11%	14%	14%	13%
POST DESIGN SERVICES (Phase 62-02)	9%	5%	3.5%	2.5%	1.7%	1.5%

* All projects will utilize FDOT pay items numbers, descriptions and unit prices; FDOT design and construction specifications and standards.

Statewide unit prices can be found at the following link:

<https://www.fdot.gov/programmanagement/Estimates/HistoricalCostInformation/HistoricalCost.shtm>

Non-participating items:

- ** All maintenance activities. Ex: replacement of existing sidewalk that is not affected by proposed work, pavement markings refurbishment, curb and gutter repairs, etc.
 - ** Utility work -- this includes, but is not limited to: valve/manhole adjustments, utility relocations, FPL power pole relocations, AT&T directional bore, etc..
 - ** Mowing & Litter removal
 - ** Decorative features such as Brick pavers on sidewalk, decorative signs.
- Other elements may be non-participating - this will be determined on a project-by-project basis; listed above are commonly used non-participating pay items.

Prepared By:

Kimberly Graham

Name:



56137

PE number:

2/27/2020

Date:

NOTE: Environmental fees consider, but are not limited to, standard Categorical Exclusion (Type 1 or PCE), CRAS Report, Section 4f, Wetland Survey, Endangered Species Relocation, Contamination, Mitigation, etc. Additional fees will be required for: Lane Elimination Analysis and Documentation; Traffic Data Collection; Traffic Projections and Analysis; Public Involvement. Please contact Mya Williams at FDOT District 4 (954-777-4608) to coordinate the cost for these items.



Coco Vista Centre
466 SW Port St. Lucie Blvd, Suite 111
Port St. Lucie, FL 34953
772-462-1593 www.stlucietpo.org

AGENDA ITEM SUMMARY

Board/Committee: Technical Advisory Committee (TAC)

Meeting Date: March 17, 2020

Item Number: 7a

Item Title: Florida Transportation Plan (FTP) 2020 Update

Item Origination: Unified Planning Work Program (UPWP)

UPWP Reference: Task 3.1 – Long Range Transportation Planning

Requested Action: Discuss the FTP Update and provide comments to the Florida Department of Transportation (FDOT).

Staff Recommendation: It is recommended that the FTP Update be discussed and comments be provided to FDOT.

Attachments

- Staff Report
- FTP Update Presentation



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Port St. Lucie, FL 34953
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MEMORANDUM

TO: Technical Advisory Committee (TAC)

THROUGH: Peter Buchwald
Executive Director

FROM: Yi Ding
Transportation Systems Manager

DATE: March 10, 2020

SUBJECT: Florida Transportation Plan (FTP) Update

BACKGROUND

The FTP is the single, overarching statewide plan guiding Florida's transportation future. It is a plan for all of Florida created by, and providing direction to, the Florida Department of Transportation (FDOT) and all organizations that are involved in planning and managing Florida's transportation system, including statewide, regional, and local partners.

The FTP provides policy guidance and establishes the policy framework for allocating the State and Federal transportation funds which flow through FDOT's 5-year Work Program.

The FTP is important because it not only sets a long-range vision for the future but it guides transportation decision making today. It considers how FDOT and its partners will:

- Attain the goal of zero fatalities on Florida's transportation system;
- Provide a more efficient and mobile transportation system;
- Meet the needs of a growing and changing population;
- Make the economy more competitive;
- Enhance the quality of life and environment of Florida's communities;

- Increase opportunities for access to transit and other modes of transportation;
- Address emerging issues such as the rapid changes in technology.

ANALYSIS

The FTP is updated every five years. The 2020 update is being led by a diverse steering committee with over 30 members from the public, private, and civic sectors. The Metropolitan Planning Organization Advisory Council (MPOAC) is among the organizations represented on the steering committee.

Over the course of the update, FDOT will focus on the following four cross-cutting topics:

- Technology - will technology change how and when we travel?
- Resilience - how do we prepare our transportation system for, and recover from, weather, environmental, economic, and operational disruptions?
- State/interregional - how do we improve the state's most strategic transportation systems?
- Regional/local - what regional or local needs should we consider?

RECOMMENDATION

It is recommended that the FTP Update be discussed and comments be provided to FDOT.

Florida Transportation Plan

Update

presented to
St. Lucie TPO Advisory
Committees and Board

presented by
FDOT District Four

Date: March/April 2020

FLORIDA
Transportation Plan

Your Florida. Your vision. Your plan.

What is the Florida Transportation Plan?

- Florida's long-range transportation plan
- A plan for all of Florida
- Provides framework for transportation decisions and investments



Why Does the FTP Matter?

- Guides state, regional, and local transportation decisions and investments
- FTPs have advanced Florida
 - 2020 FTP (2000) – Strategic Intermodal System
 - 2025 FTP (2005) – Regional visioning and collaboration
 - 2060 FTP (2010) – Alignment with Florida Strategic Plan for Economic Development; Florida Mobility and Trade Plan
 - Current FTP (2015) – Resilience, Workforce, Choices



Florida Transportation Plan



Vision Element

Trends, uncertainties, and themes that will shape the future of transportation in Florida (50 years)



Policy Element

Goals and objectives to guide the Florida Department of Transportation and partners toward the vision (25 years)

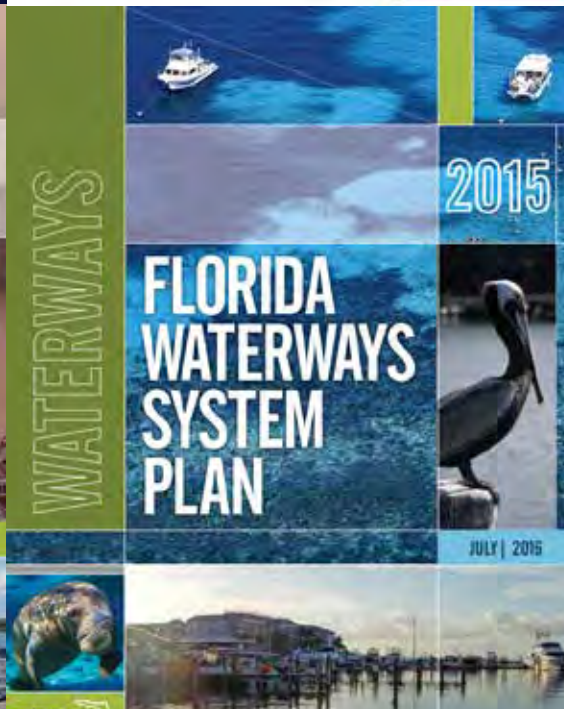


Implementation Element

Emphasis areas with key actions (5-25 years)

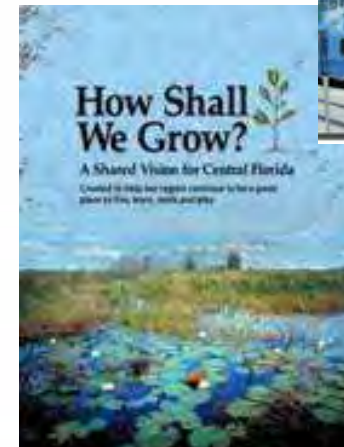
SAFETY AND SECURITY FOR
RESIDENTS, VISITORS AND BUSINESSES





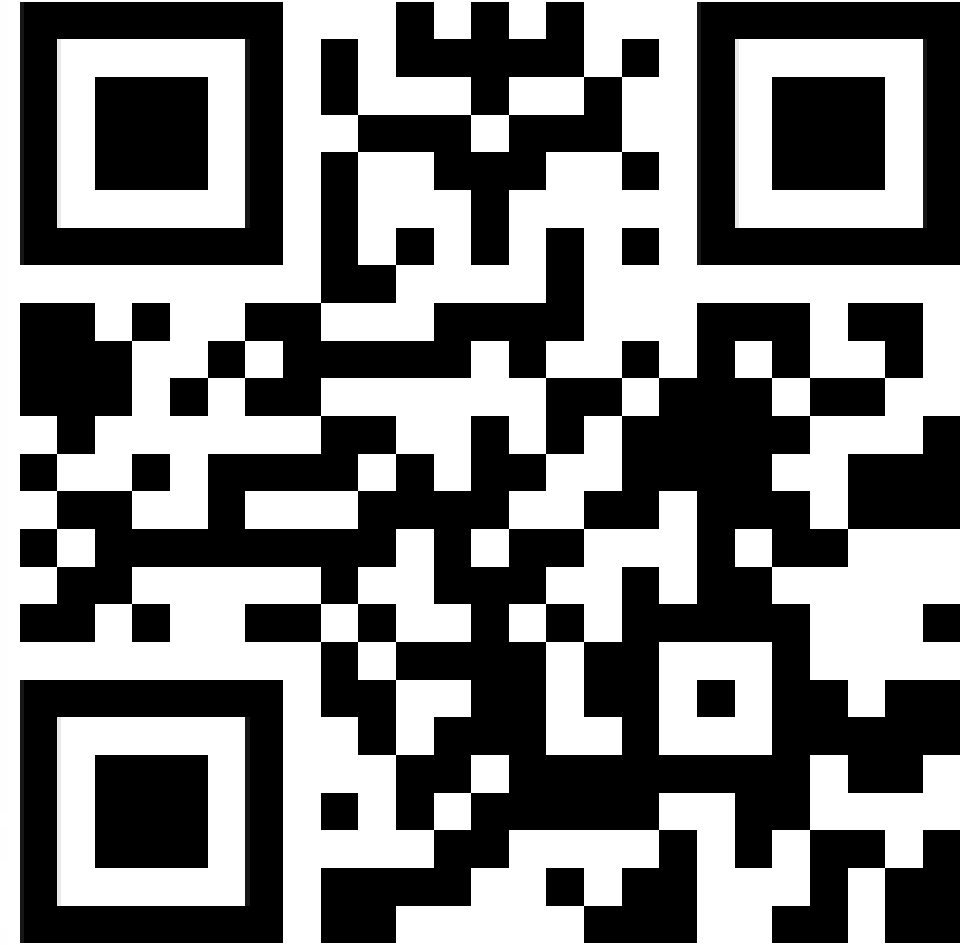
Related Partner Efforts

- Metropolitan Planning Organizations (MPOs)
 - Long Range Transportation Plans
- State Agency Plans/Initiatives
 - DEO, DEP, Enterprise Florida, Space Florida, etc.
- Local Governments
 - Comprehensive Plans, etc.
- Regional Planning Councils
 - Strategic Regional Policy Plans
- Modal Partners
 - Transit, expressway, seaport, airport and other authorities
- Regional and Community Visions



Sharing our Ideas

- Poll Everywhere – multiple ways to access the polls:
 - Visit www.pollev.com/FTP2045 from your phone, tablet, or laptop to access the polling questions
 - Text “FTP2045” to 22333 to join the poll and respond to the polls via text message
 - Scan the QR code to the right to go directly to the website
 - Important note: A record of the poll responses will be kept for statutory records retention requirements



Who do you represent?

City/County
Government

MPO/RPC/TPO

Other State Government

Private Industry Partner

Private Citizen

Non-Governmental
Industry Organization

Start the presentation to see live content. Still no live content? Install the app or get help at PollEv.com/app

What trend is the most important to/will have the biggest impact on Florida's transportation future?

Resilience

Technology

Funding/revenue/cost of transportation

Sustainability

Demographic shifts/population growth

Evolving processes and decision making to meet
changing demands/opportunities

New way to travels (i.e., ride sharing, micromobility)





Preservation of environment

Economy

Safety

Less need to travel (i.e., e-commerce,
telecommuting)

Cross-Cutting Topics

Technology	Resilience	State/Interregional	Regional/Local
<ul style="list-style-type: none"> Automated, connected, electric, and shared vehicles Transportation system management and operations Big data New materials and processes 	<ul style="list-style-type: none"> Extreme weather Emergency evacuation and response Sea level rise Flooding Economic and societal changes 	<ul style="list-style-type: none"> SIS, including modal facilities Trade & logistics Multi-use/multi-modal facilities Global, statewide, and interregional connectivity Florida's economic drivers and industries 	<ul style="list-style-type: none"> Urbanized, non-urbanized, and rural Congestion relief Land use and community planning Regional visions Environment Economic development 

Trends in Technology - Examples

More Floridians

WORK FROM THEIR HOMES
than **USE PUBLIC TRANSIT**
for their commute to work



Airships stocked with
products could act as

**AIRBORNE
WAREHOUSES**
to streamline
DRONE DELIVERY



33%
of college students
take at least
**ONE COURSE
ONLINE**



E-COMMERCE accounts for

64% of all
**MANUFACTURING
SHIPMENTS**



**2,500,000,000,
000,000,000**

(2.5 QUINTILLION)

BYTES OF DATA

are created each day,
and the pace is **accelerating**



In your opinion, what is the greatest challenge for Florida to overcome related to changing technology and our transportation system?

Regulatory barriers

Rapid rate of development and adoption of new technologies

Integrating old/existing and new/emerging technologies in the same system at the same time

Planning and design challenges

Data security and privacy

What are effective strategies to prepare our transportation system for changes in technology?

Trends in Resilience - Examples

Nationally, the **TOTAL ANNUAL DAMAGES** from **TEMPERATURE & PRECIPITATION-RELATED** damages to paved roads are estimated at up to **\$20 BILLION**

Nearly **170 COASTAL COMMUNITIES** in the U.S. are projected to experience **FLOODING** more than **26 TIMES PER YEAR** by **2035**

By mid-century, the Southeast is expected to experience up to **50 MORE DAYS** per year of temperatures exceeding **90 DEGREES**

Approximately **6 MILLION PEOPLE EVACUATED** during Hurricane Irma, **THE LARGEST EVACUATION IN U.S. HISTORY**

What is the top trend or disruptor affecting Florida's transportation system?

Extreme Heat

Flooding

Hurricanes / Extreme Storms

Poor or Inoperable Infrastructure

Sea Level Rise

Storm Surge

Technology Interruption or Failure

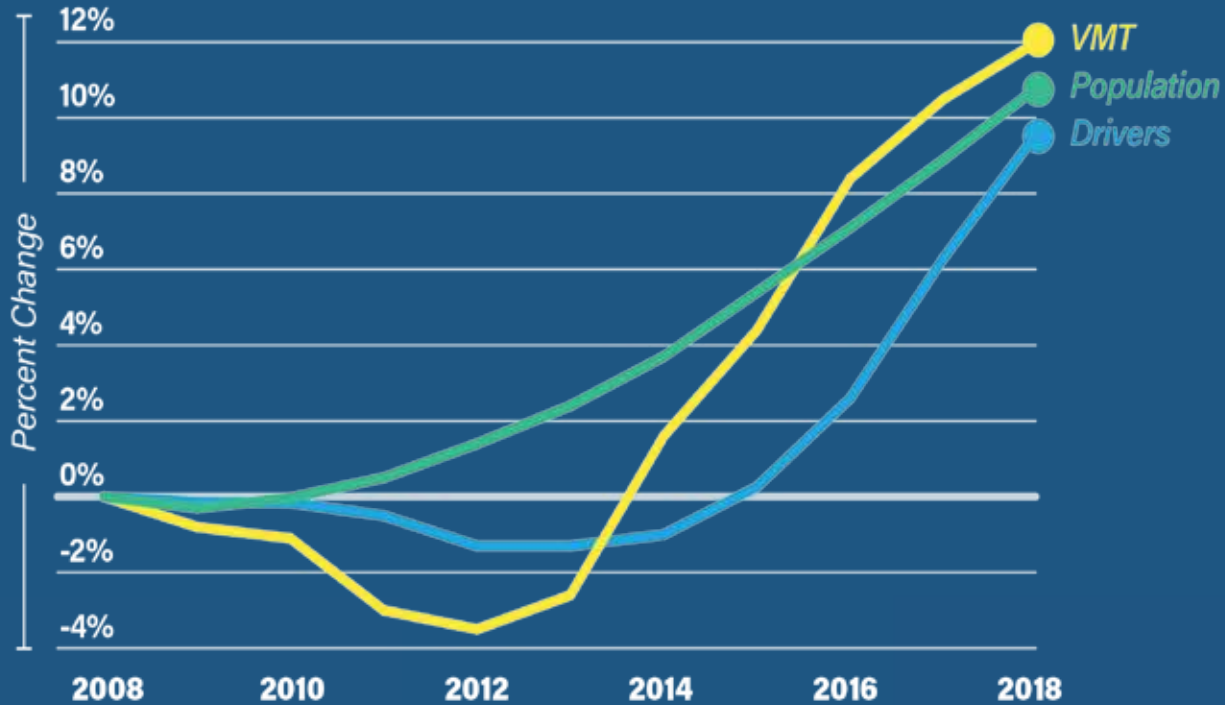
Start the presentation to see live content. Still no live content? Install the app or get help at [FloriEV.com/app](https://www.floridave.com/app)

What are effective strategies that could be implemented as part of the Florida Transportation Plan to make Florida's transportation system more resilient?

Start the presentation to see live content. Still no live content? Install the app or get help at PollEv.com/app

Trends in State & Interregional - Examples

Florida's **vehicle miles traveled is growing faster** than Florida's population and licensed drivers

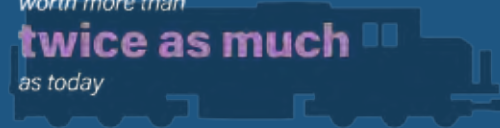


HIGHWAY NETWORK

By **2045**, Florida's rail network is projected to carry

42% MORE TONNAGE

worth more than **twice as much** as today





By **2045**, Florida's airports are projected to carry

300% more freight tonnage than today



WATERBORNE TRADE

comprises the majority of the state's total trade by value at **55.3%**



What are some strategies to increase statewide mobility for people and freight in the next five to ten years?

Trends in Regional and Local - Examples

9 OUT OF **10**

FLORIDIANS
live in **URBAN AREAS**



20%

of Floridians have a commute time
UNDER 15 MINUTES



18%

of Floridians have a commute time of
45 MINUTES OR LONGER

67% of Florida's
POPULATION GROWTH

between 2018 and 2045 is
projected to be concentrated in

10 COUNTIES

[Miami-Dade, Orange, Hillsborough, Broward,
Palm Beach, Lee, Duval, Polk, Osceola, & Manatee]



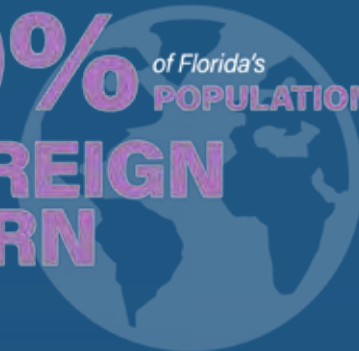
7% of households in Florida
DO NOT OWN A VEHICLE



while another

29% own only
ONE VEHICLE



20% of Florida's
POPULATION
is **FOREIGN BORN**





How can we best implement the FTP strategies across Florida's varied regions and localities to ensure maximum success in achieving the goals of the FTP?

What Will We Do With Your Input?



Input is received at meetings, online, through survey, etc.

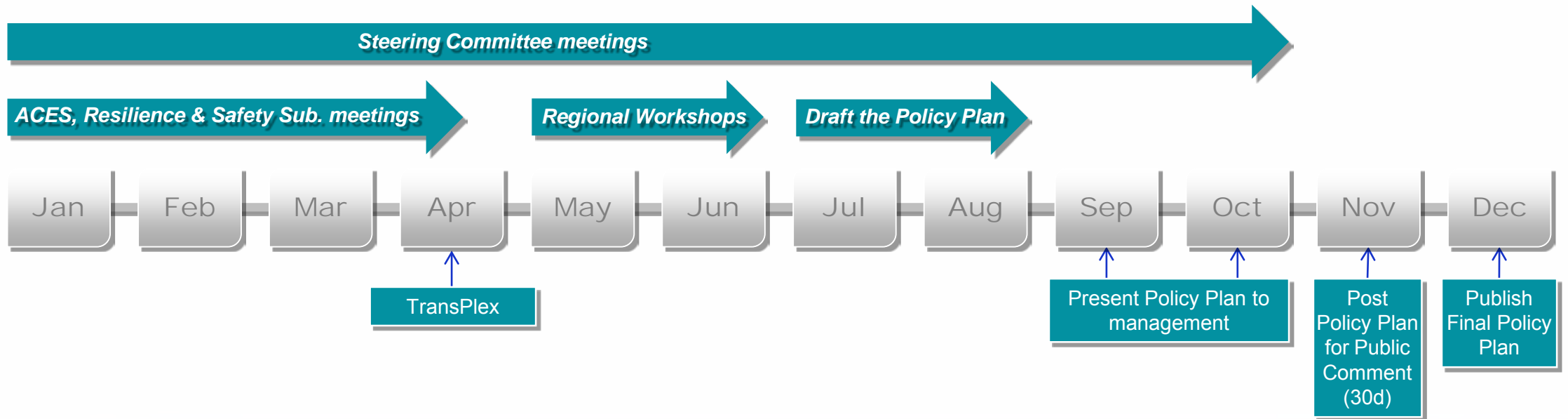


Provided to the FTP Steering Committee and Subcommittees for review and consideration



Your input is used to shape the plan

FTP Update Calendar



2020

Get Involved!

www.floridatransportationplan.com

- ü [Share your thoughts and ideas through our values and preferences survey.](#)
- ü [Respond to our resilience and technology surveys.](#)
- ü [Join us at an FTP event.](#)
- ü [Request a presentation from FDOT.](#)
- ü [Provide general feedback.](#)



Florida Transportation Plan (FTP)

Home /
Summary



FTP Overview

FTP Update

- [Steering Committee](#)
- [ACES Subcommittee](#)
- [Resilience Subcommittee](#)
- [Cross-Cutting Topics](#)
 - [Technology](#)
 - [Resilience](#)
 - [State/Interregional](#)
 - [Regional/Local](#)

Long Range Visioning Session

Get Involved

- [Share Your Thoughts & Ideas](#)
- [Join Us at an FTP Event](#)
- [Become a Subcommittee Friend](#)
- [Request a Presentation from FDOT](#)
- [General Feedback Comment Form](#)

FTP Implementation

Resources

Florida Transportation Plan Overview

The Florida Transportation Plan (FTP) is the state's long-range plan guiding Florida's transportation future. The FTP is a plan for all of Florida – and affects every resident, business, and visitor.

The FTP is important because it not only sets a long-range vision for the future, but it guides transportation decisions today. It considers how we will:

- Attain our goal of zero fatalities on Florida's transportation system.
- Provide a more efficient and mobile transportation system.
- Meet the needs of a growing and changing population.
- Make our economy more competitive.
- Enhance the quality of life and environment of Florida's communities.
- Increase opportunities for access to transit and other modes of transportation.
- Address emerging issues such as the rapid changes in technology.



The Florida Department of Transportation (FDOT) and its partners are updating the FTP, and we want you to [get involved](#). As we develop the next FTP, we want to hear from you to understand the transportation issues and concerns that are most important to Floridians.

[Click here to share your values and preferences](#)



Questions?

CONTACT FOR MORE INFORMATION

LOIS BUSH

District Four

Florida Department of Transportation

lois.bush@dot.state.fl.us

954-777-4654

www.fdot.gov/planning/policy

AGENDA ITEM SUMMARY

Board/Committee: Technical Advisory Committee (TAC)

Meeting Date: March 17, 2020

Item Number: 7b

Item Title: Treasure Coast Congestion Assessment (TCCA)

Item Origination: Florida Department of Transportation District 4 (FDOT)

UPWP Reference: Task 3.4 – Congestion Management Process

Requested Action: Review the TCCA and provide comments to FDOT

Staff Recommendation: It is recommended that the TCCA be reviewed and comments be provided to FDOT.

Attachments

- Staff Report
- TCCA Presentation



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772-462-1593 www.stlucietpo.org

MEMORANDUM

TO: Technical Advisory Committee (TAC)

FROM: Peter Buchwald
Executive Director

DATE: March 10, 2020

SUBJECT: Treasure Coast Congestion Assessment (TCCA)

BACKGROUND

The Florida Department of Transportation District 4 (FDOT) has completed the TCCA which is intended to identify locations of congestion on roadways located in the Treasure Coast. The TCCA employs a new data source, methodology, and analysis to identify the locations of congestion. FDOT will present the TCCA for review and comments.

ANALYSIS

As the data source, methodology, and analysis employed in the TCCA to identify the locations of congestion in the St. Lucie TPO area are new, they should be carefully reviewed for technical validity. The results of the TCCA may be used in the future to develop improvements to address the congested locations and allocate funding to those improvements. Therefore, the locations of congestion identified by the TCCA in the St. Lucie TPO area should be compared to current congested locations that have been identified by the local agencies. In addition, the congested locations identified by the TCCA in Martin and Indian River Counties should be compared to those locations identified by the TCCA in the St. Lucie TPO area to further confirm the validity of the TCCA.

RECOMMENDATION

It is recommended that the TCCA be reviewed and comments be provided to FDOT.

FDOT District 4 Congestion Assessment

St Lucie Hotspots (preliminary)

Presented by:

Chon Wong (FDOT D4 Planning)

Peng Zhu and Kurt Lehmann (Cambridge Systematics)

February 18, 2020

Outline



Purpose



Methodology



Analysis



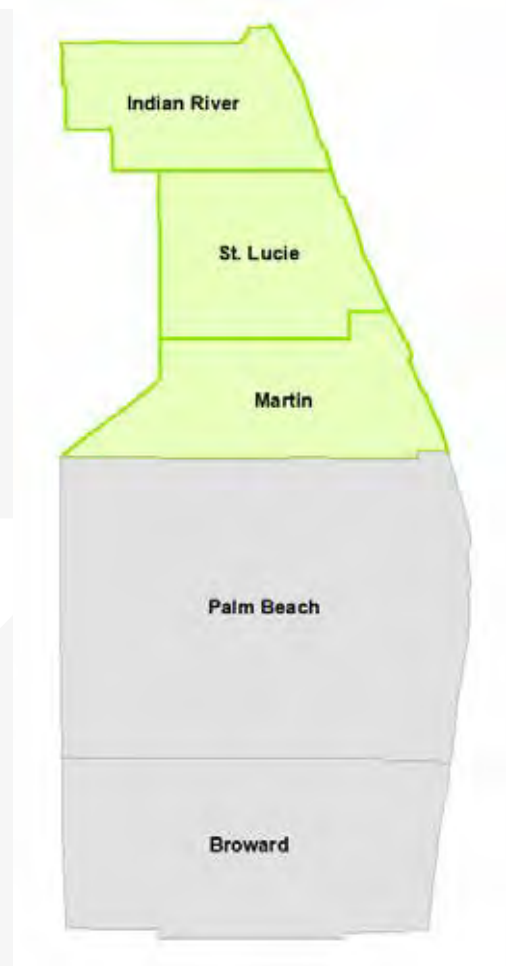
Preliminary
results



Next steps

Purpose

- Phase 1
 - » Identify existing congestion
 - » Utilize new data sources
 - » Focus on arterial streets
- Phase 2
 - » Develop implementable projects
- District-wide effort
 - » Broward completed
 - » Palm Beach phase 2
 - » Treasure coast phase 1



Data Source

HERE

Speed, Travel Time

NPMRDS

Speed, Travel Time, Vol

WAZE

Speed, Travel Time, Inc

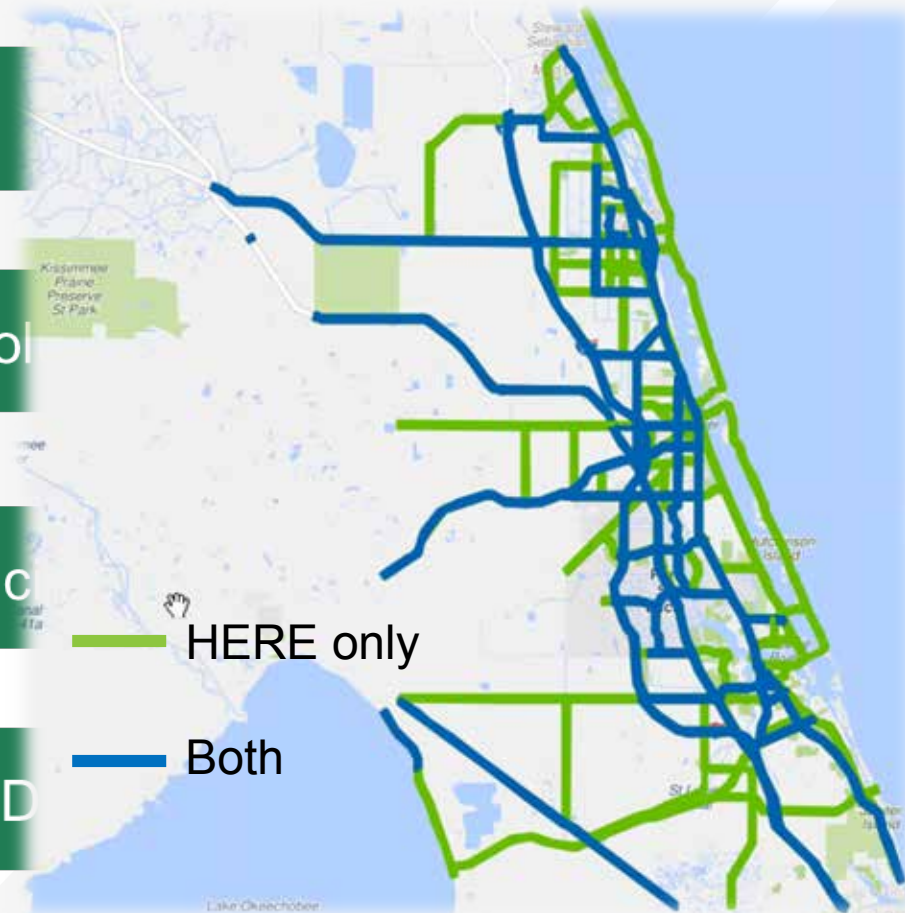
TS

HERE

Speed

NPMRDS

Time, OD



HERE Data

➤ Data fields:

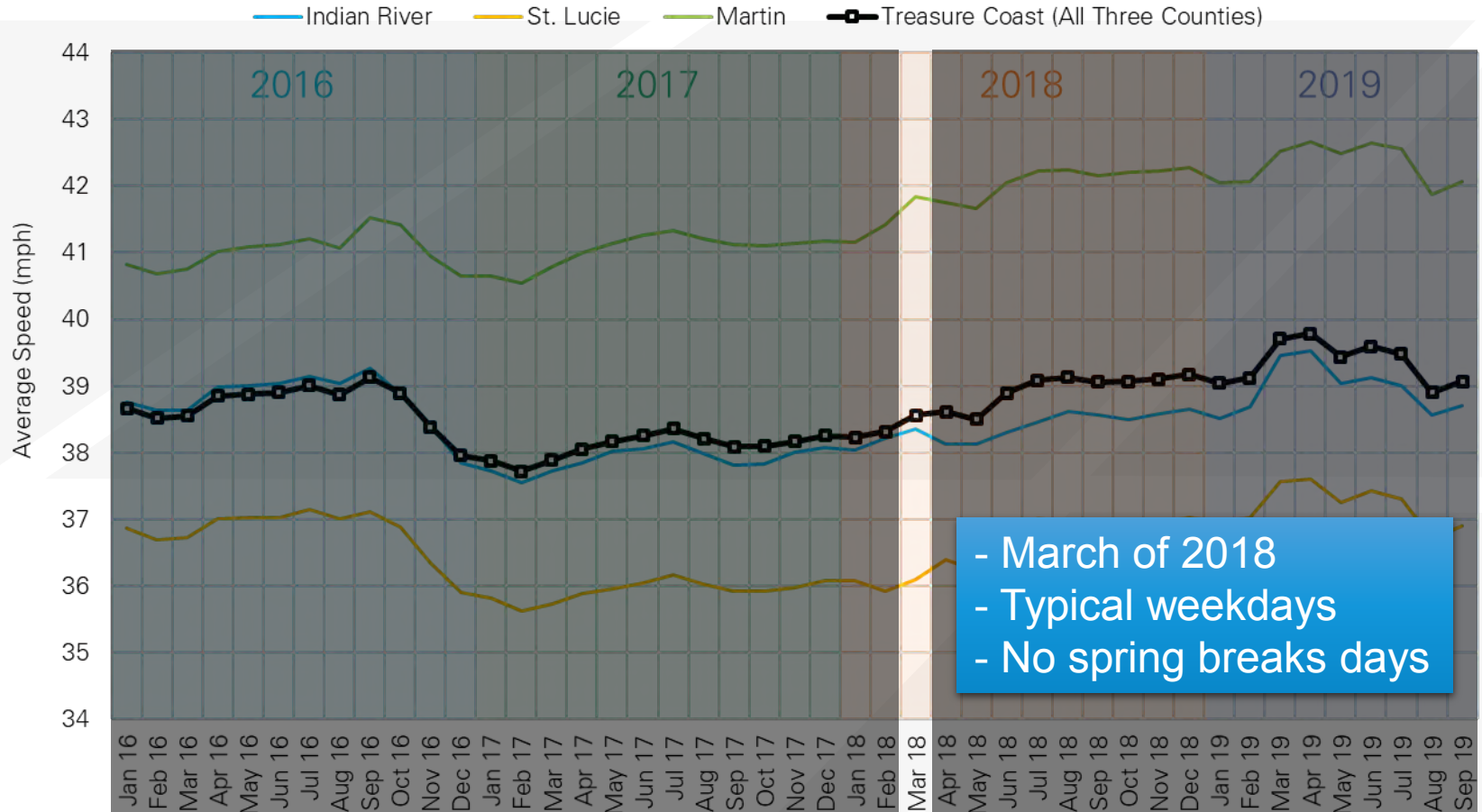
- » TMC (segment ID, directional)
- » Time interval (5-min, 15-min, hourly...)
- » Travel time
- » Speed
- » Reference speed (85th percentile)
- » Confidence (real time → historical)

➤ Data unit:

- » Traffic Message Channel (TMC) ~ roadway segment, associated with speed and travel time readings



HERE Data

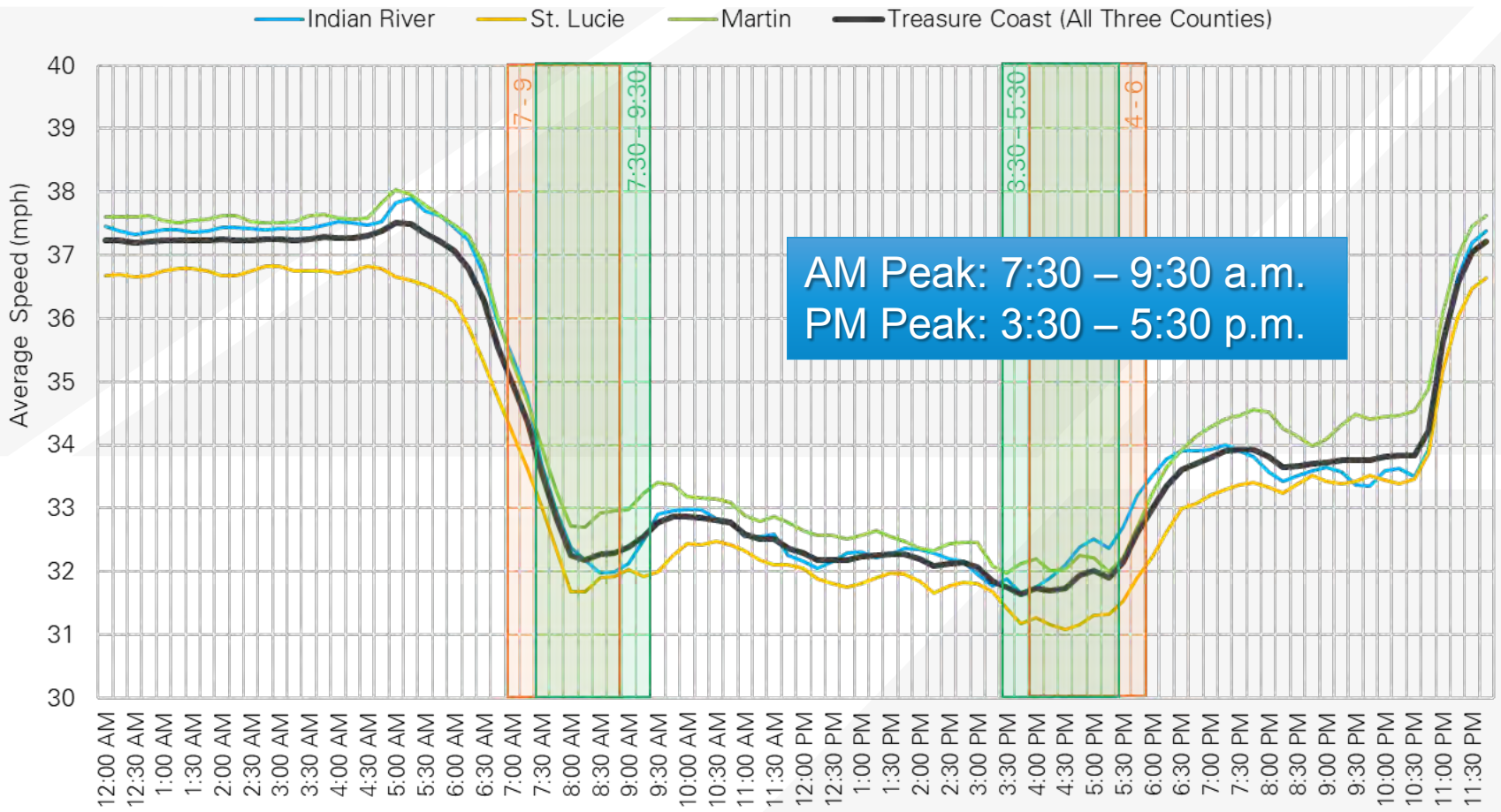


- March of 2018
 - Typical weekdays
 - No spring breaks days

Note: Results from "Performance Summaries" query of all hours and all days by month on all roadway classes except for "interstate", "freeway", "turnpike", and "interchange".



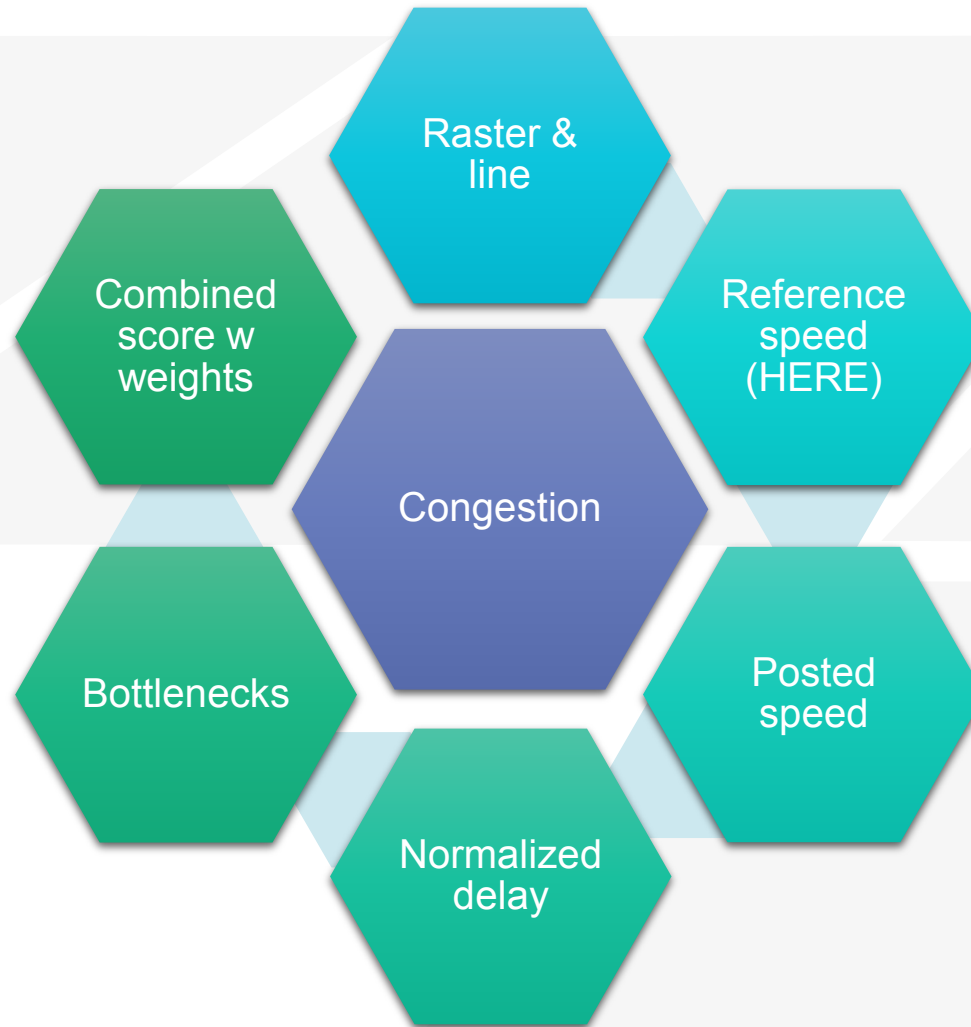
HERE Data



Note: Average of all non-spring break days in March 2019, all hours of the day. Proposed peak times: 7:30-9:30 AM, 3:30-5:30 PM



Methodology



Methodology



Define congestion

LOS E and worse



Measure congestion

Intensity: how slow traffic was
Duration: how long...



Methodology

- Congestion: defined as **LOS E** or worse with speed:
 - » Class I: <18mph, Class II: <13mph

Level of Service	Freeways	Highways		Arterials	
	Density	Two-Lane	Multilane	Class I	Class II
		%ffs	Density	ats	ats
B	≤ 17	> 83.3	≤ 17	> 31 mph	> 22 mph
C	≤ 24	> 75.0	≤ 24	> 23 mph	> 17 mph
D	≤ 31	> 66.7	≤ 31	> 18 mph	> 13 mph
E	≤ 39	> 58.3	≤ 35	> 15 mph	> 10 mph

% ffs = Percent free flow speed ats = Average travel speed

- » Measure congestion



Methodology

- **Intensity**: how slow traffic was
 - » Observed travel time / free flow travel time, or
 - » LOS B speed / average speed
- **Duration**: how long slow traffic lasts
 - » time while travel speed fall below **LOS E** threshold
- **Score**: sum all “**intensities**” of congestion “**duration**”.
- Normalization and weighting

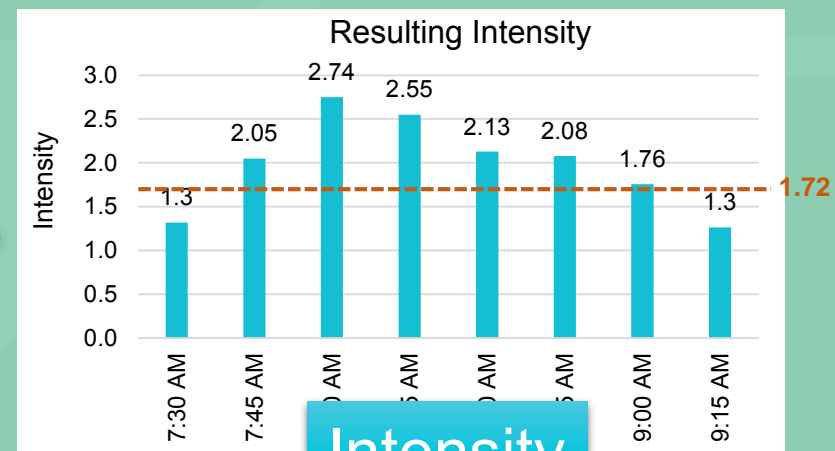
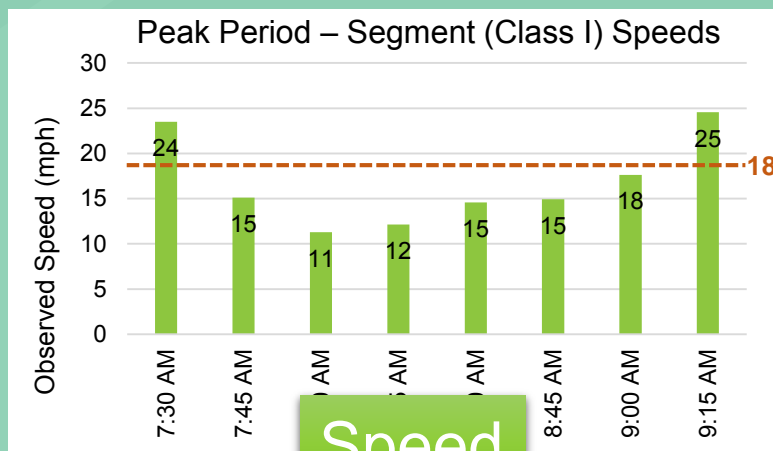


Analysis

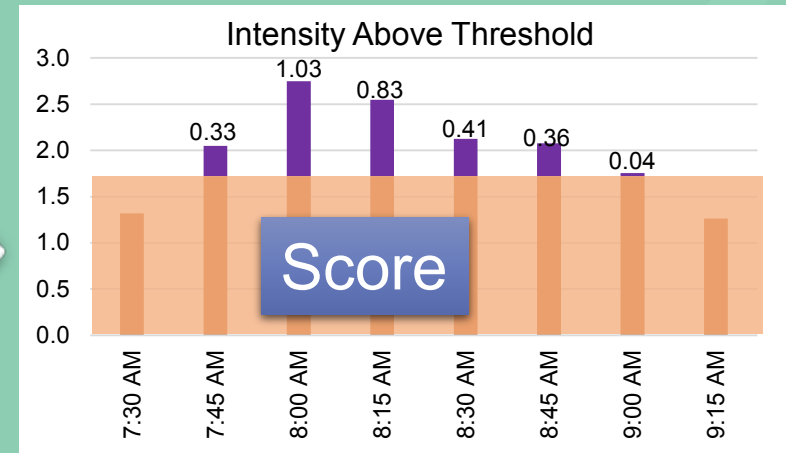
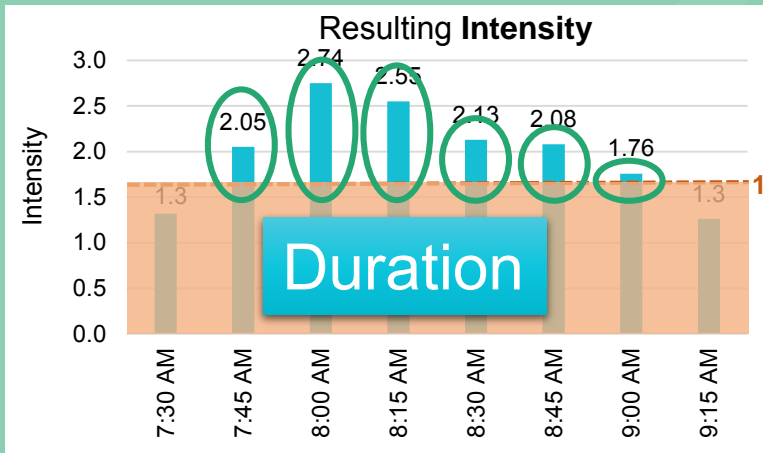
➤ Score: Sum of 15-minute intensities **ABOVE** the LOS D/E threshold

➤ Example:

Port St. Lucie Blvd from Airoso Blvd to Floresta Dr – AM



Analysis

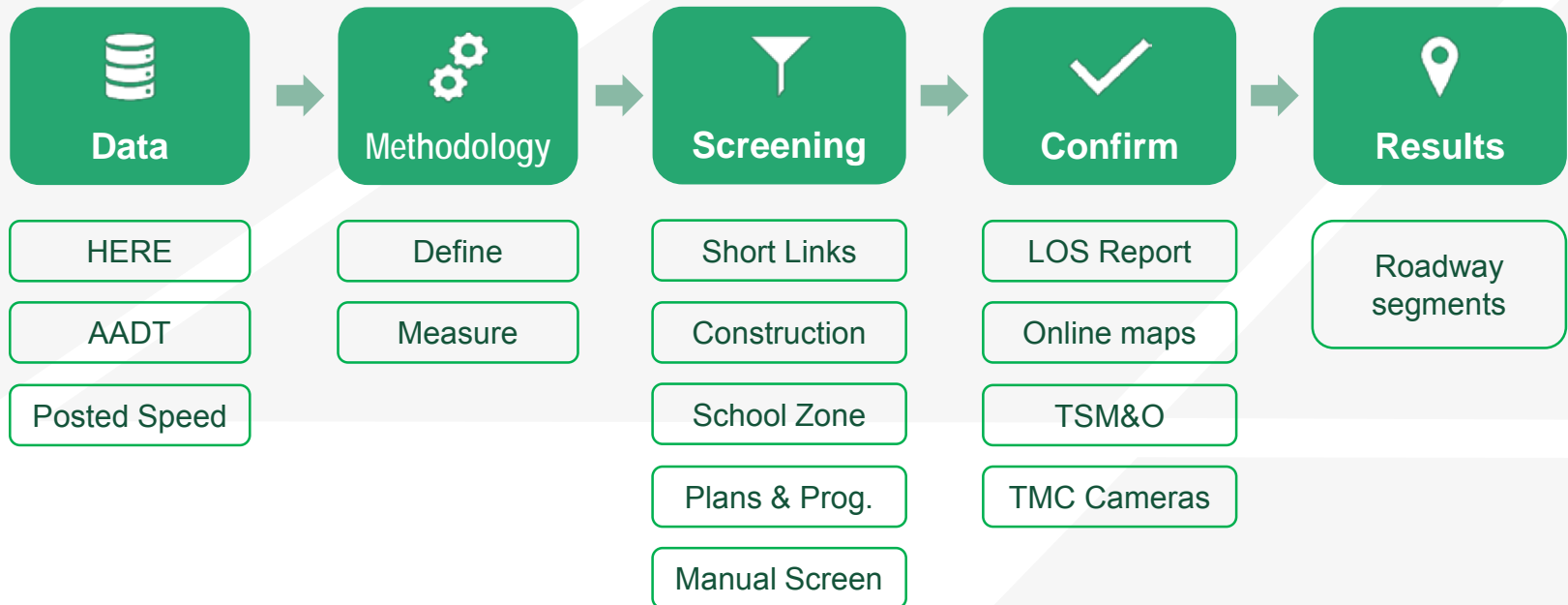


$$\sum 0.33 + 1.03 + 0.83 + 0.41 + 0.36 + 0.04 = 3.00$$

- » Calculate scores for all TMCs (1200+) in Treasure Coast
- » Then normalize and weight by AADT.



Analysis



Screening



Short links



Construction Activities



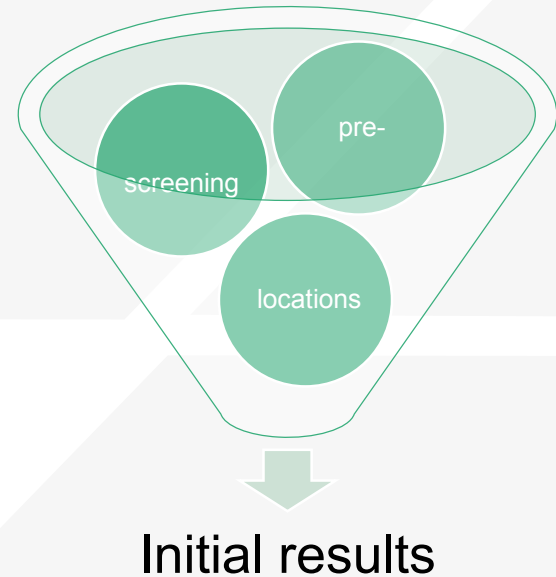
School Speed Zones



Work Programmed



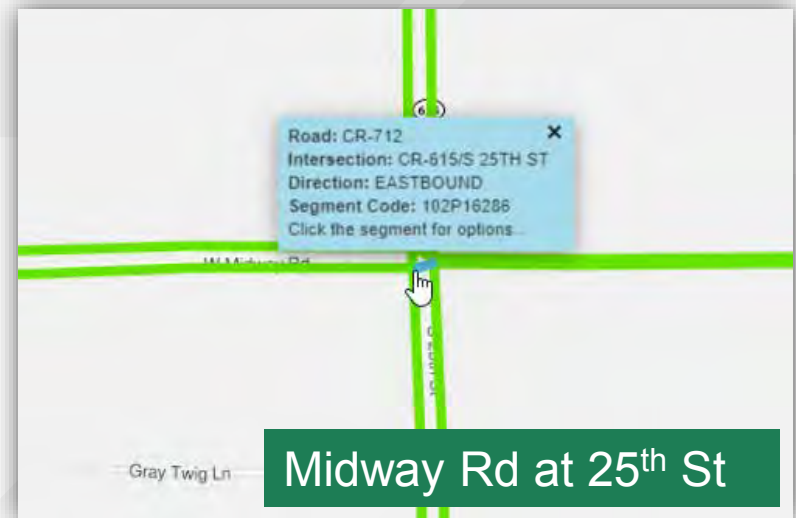
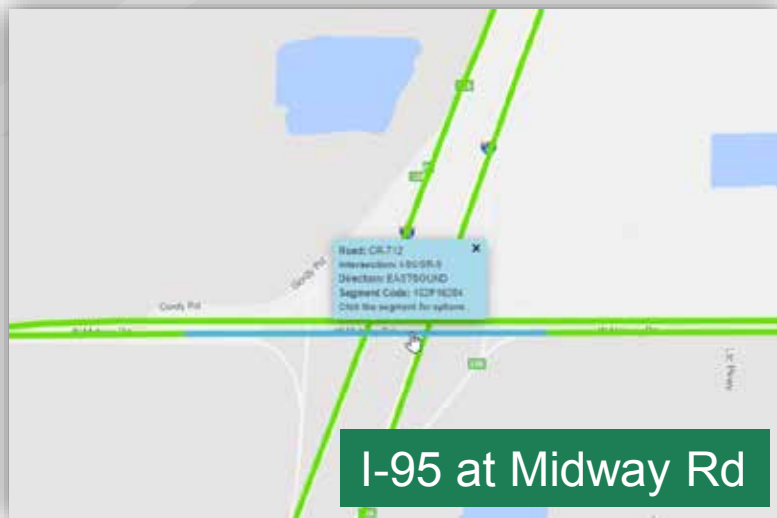
Manual Screening



Screening

➤ Short links

- » Internal links: intersection, interchange
- » Links shorter than 0.1 miles



Screening

- Construction activities
 - » TIPs of FY17/18 (March 2018)



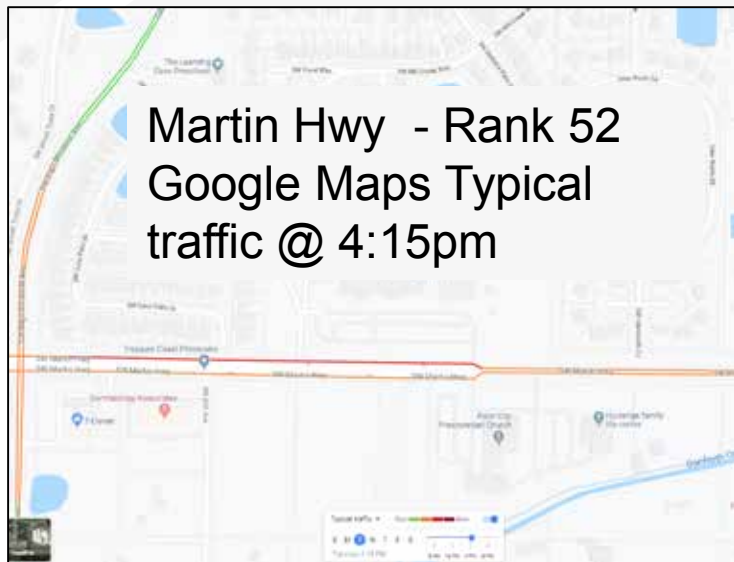
- 4 affected locations:

Rank	Road Name	SR #	From	To	County	Direction	AM Slowest Speed (mph)	PM Slowest Speed (mph)	Posted Speed (mph)
32	20th St	60	27th Ave	20th Ave	Indian River	WB	17.0	13.5	40
37	N Causeway	A1A	US-1	E of Harbortown Dr	St. Lucie	WB	18.6	14.4	40
52	Martin Hwy	714	Martin Downs Rd	Mapp Rd	Martin	WB	21.8	16.2	40
62	Midway Rd	-	Oleander Ave	US-1	St. Lucie	WB	16.9	12.0	30

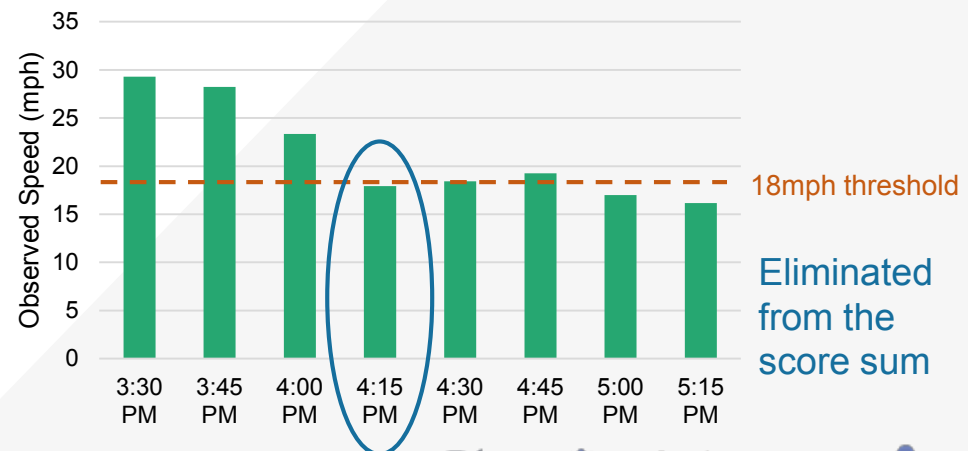
Screening

➤ School Zone

- » 3 locations in speed reduction zone
- » 2 locations partially affected
- » Eliminated effects



Speed Profile of Congested Location



Screening

Programmed Projects

- » FDOT Work Program, LRTPs, TIPs

- » Flagged location with

 - § Add lanes or turn lanes

 - § Intersection geometry

 - § Major PD&E Study

 - § 20 locations marked

- » Also identified

 - § Major capacity planned on crossing streets

 - § CMP

 - § Signal upgrades

 - § US-1 Retrofit (mode alternatives, traffic management)



Screening

➤ Locations with projects programmed

Rank	Road Name	SR #	Between	And	County	Work Programmed Type
3	Port St. Lucie Blvd	716	Airosa Blvd	Floresta Dr	SL	Work Program PD&E or Study
14	St. Lucie W Blvd	-	I-95 Ramp	I-95	SL	Work Program Add Lanes/Reconstruct
15	Turnpike Feeder Rd	713	N Kings Hwy	Indrio Rd	SL	Work Program Add Turn Lanes
20	8th St	-	Old Dixie Hwy	US-1	IR	Work Program Add Turn Lanes
21	Port St. Lucie Blvd	-	Gatlin Blvd	Darwin Blvd	SL	Work Program Add Lanes/Reconstruct, Work Program Add Turn Lanes
27	St. Lucie West Blvd	-	I-95 Ramps	Cashmere Blvd	SL	Work Program Add Lanes/Reconstruct
28	St. Lucie West Blvd	-	I-95 Overpass	I-95 Ramps	SL	Work Program Add Lanes/Reconstruct, TIP Add Lanes
31	TPK Ramp (Ft. Pierce Plaza)	TPKE	Okeechobee Rd	Toll Plaza	SL	Work Program Add Lanes/Reconstruct
32	20th St	60	27th Ave	20th Ave	IR	Work Program Traffic Signal Update
33	85th St / Wabasso Rd	-	58th Ave / Kings Hwy	US-1	IR	Work Program PD&E or Study, Widen
37	N Causeway	A1A	US-1	E of Harbortown Dr	SL	Work Program Add Lanes/Reconstruct



Screening

- Manual Screening
 - » Site review
 - » Area type, land use
 - » Potential for projects
 - » Affected by data availability
 - » Context classification
 - » 11 locations marked

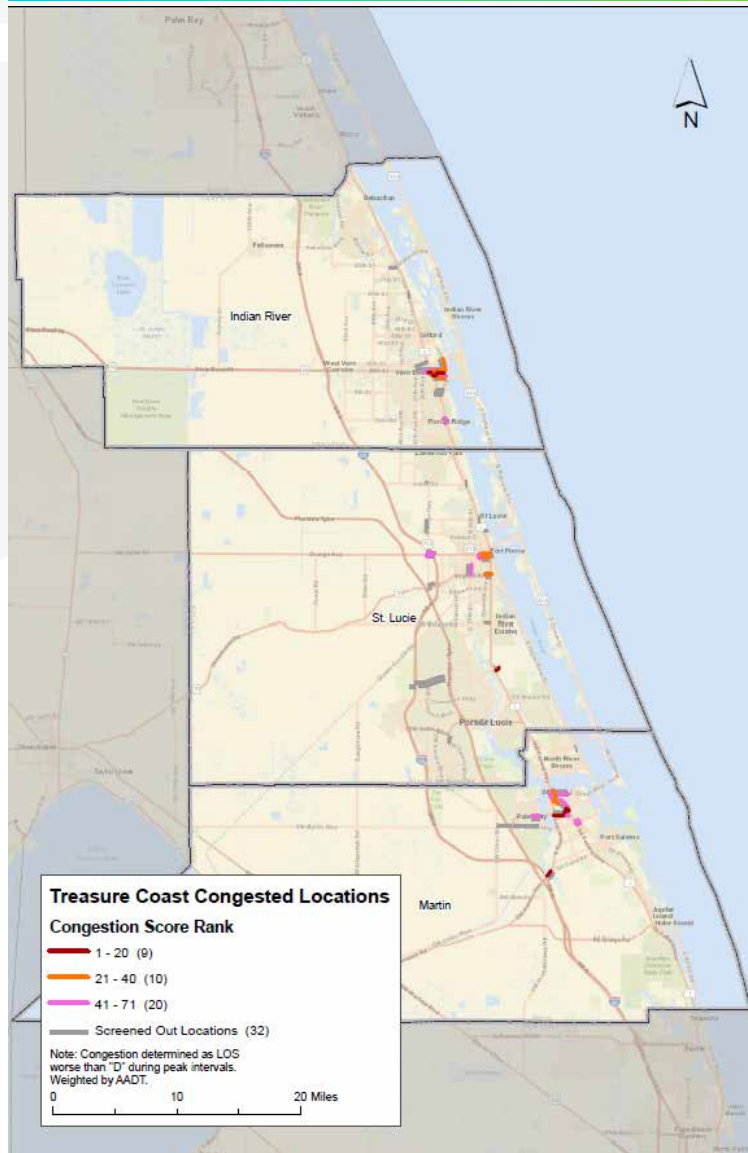
Screening

➤ Manual Screening

Rank	Road Name	Between	And	CN	Dir	AM Cong Speed	PM Cong Speed	Posted Speed	Context Classification
2	Orange Ave	US-1	W of Indian River Dr	SL	WB	4.6	4.7	30	C4 - Urban General
5	Jensen Beach Blvd	Pineapple Ave	Indian River Dr	M	WB	11.8	6.2	35	C4 - Urban General
6	Orange Ave	US-1	W of Indian River Dr	SL	EB	7.0	6.0	30	C4 - Urban General
9	Jensen Beach Blvd	Pineapple Ave	Indian River Dr	M	EB	12.7	7.1	35	C4 - Urban General
10	St. Lucie Blvd	US-1	Old Dixie Hwy	SL	WB	6.7	7.0	35	C4 - Urban General
11	Indrio Rd	US-1	Old Dixie Hwy	SL	EB	8.0	6.7	25	C3C- Suburban Commercial
13	Indrio Rd	US-1	Old Dixie Hwy	SL	WB	7.5	8.5	25	C3C- Suburban Commercial
24	Old Dixie Hwy	20th St	S of 19th Pl	IR	SB	9.3	6.7	35	C3C- Suburban Commercial
25	69th St / Winter Beach Rd	Old Dixie Hwy	US-1	IR	EB	9.5	6.6	45	C3R - Suburban Residential
51	St. Lucie Blvd	US-1	Old Dixie Hwy	SL	EB	12.0	11.9	35	C4 - Urban General
58	69th St / Winter Beach Rd	Old Dixie Hwy	US-1	IR	WB	16.0	13.2	45	C3R - Suburban Residential



TC Results (Post-screened)



➤ Location Counts

- » Prescreened 71 total
- » Post-screened 39 total

➤ Observations

- » Spread among counties
- » Gathered around urban areas: Vero Beach, Fort Pierce, Stuart



TC Results (Post-screened)

➤ Top 20 locations (39 total)

Rank	Road Name	SR #	From	To	County	Direction	AM Slowest Speed (mph)	PM Slowest Speed (mph)	Posted Speed (mph)	AM Peak Congestion Extent (min)	PM Peak Congestion Extent (min)	Lanes	AADT	Total Congestion Score {0;2,000}
1	Monterey Rd	714	Dixie Hwy	US-1	M	SB	13.7	8.0	40	120	120	4	24,500	1,507
4	17th St	-	Commerce Ave	US-1	IR	EB	6.1	6.9	30	120	120	4	9,500	898
7	Kanner Hwy	76	I-95	Cove Rd	M	NB	16.1	10.5	50	15	75	6	40,500	466
8	Monterey Rd	714	Monterey Rd Ext	US-1	M	EB	16.0	12.8	40	45	120	4	28,000	452
12	Monterey Rd	714	Dixie Hwy	US-1	M	WB	18.5	12.7	40	0	120	4	24,500	368
17	Prima Vista Blvd	-	US-1	Pine Lakes Blvd	SL	WB	8.2	5.0	30	120	120	4	3,600	277
18	20th St	60	US-1	Indian River Blvd	IR	WB	11.4	13.4	40	120	105	4	8,800	236
19	20th St	60	Old Dixie Hwy	11th Ave	IR	WB	11.8	12.0	40	45	30	4	11,000	170
22	Colorado Ave	-	Ocean Blvd	US-1	M	SB	12.4	10.0	30	30	105	2	18,500	157
23	20th St	60	US-1	Indian River Blvd	IR	EB	14.0	16.3	40	120	75	4	8,800	153
26	Dixie Hwy	-	Joan Jefferson Way	Ocean Blvd	M	SB	11.5	9.8	25	30	120	2	9,200	119
29	US-1	5	Colorado Ave	Dixie Cutoff Rd	M	NB	20.1	11.6	40	0	30	6	33,000	107
30	17th St	656	US-1	Indian River Blvd	IR	WB	16.2	13.8	45	60	120	4	10,600	104
34	Orange Ave	68	13th St	US-1	SL	EB	12.0	10.2	30	45	120	2	8,700	63
35	Indian River Blvd	60	Merril P Barber Bridge	20th St	IR	SB	23.9	14.1	45	0	15	4	31,500	49
36	Virginia Ave	70	Oleander Ave	US-1	SL	EB	18.1	15.4	45	0	105	6	19,300	48
38	20th Pl	60	11th Ave	US-1	IR	WB	14.8	15.8	40	30	15	4	9,300	45
39	Delaware Ave	-	Texas Ct	S 5th St	SL	EB	14.0	11.9	30	0	120	2	17,800	44



St Lucie Results

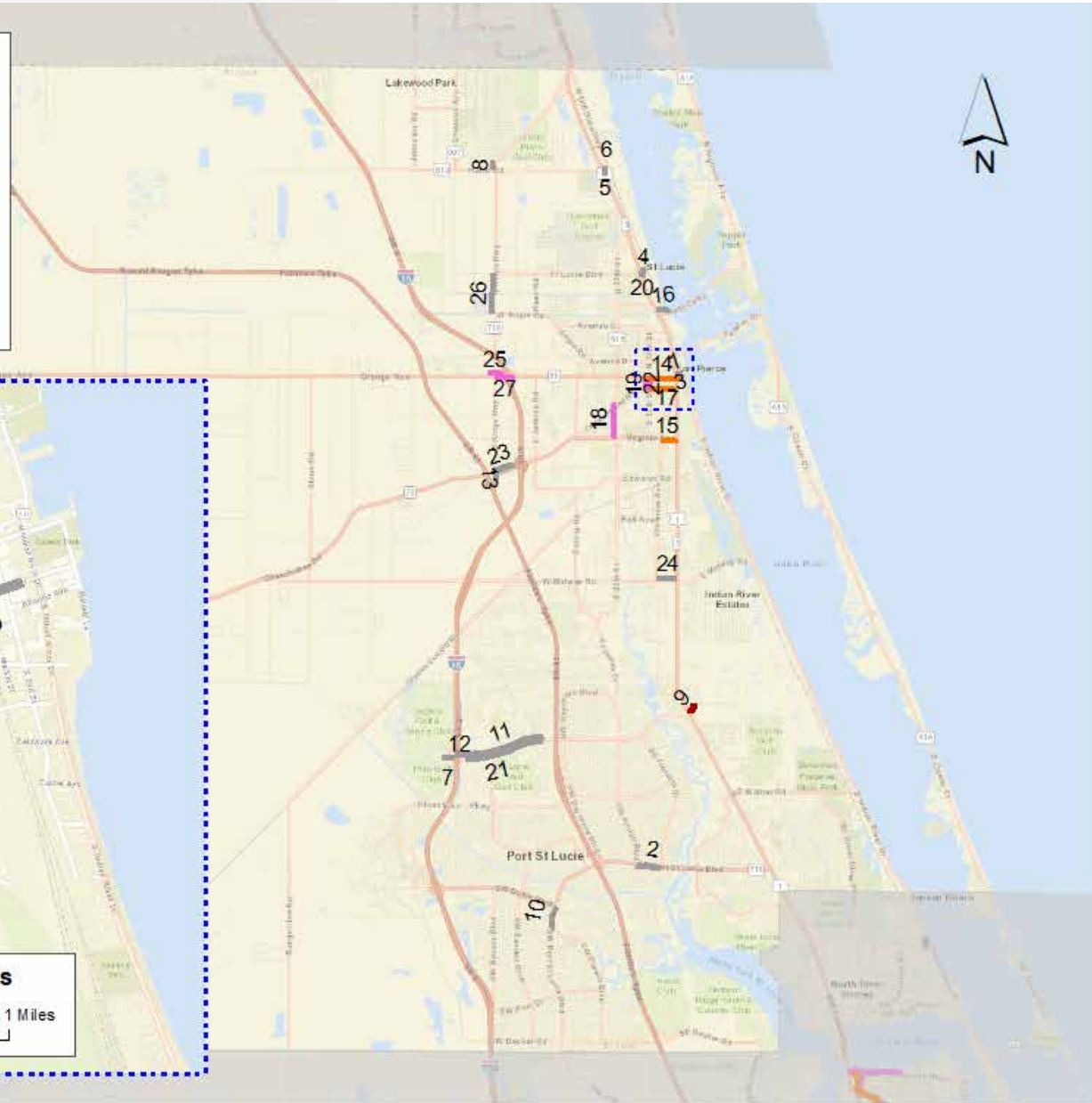
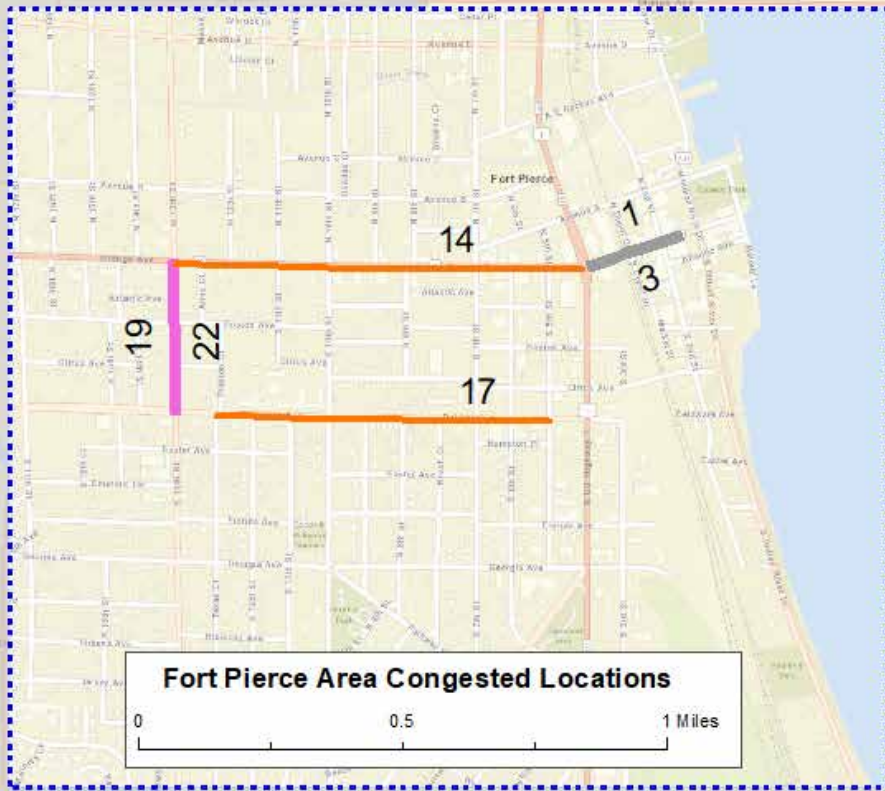
St. Lucie County Congested Locations

Rank

- Tier 1 (1)
- Tier 2 (3)
- Tier 3 (5)
- Screened Out Locations (18)

Note:
Congestion determined as LOS worse than "D" during peak intervals. Weighted by AADT.

0 4 8 Miles



St Lucie Results

➔ 9 locations after screening

System Rank	County Rank	Road Name	SR #	Between	And	County	Dir	AM Cong Speed	PM Cong Speed	Posted Speed	AM Dur. (min)	PM Dur. (min)	# of Lanes	AADT	Total Score (0,2000)
17	9	Prima Vista Blvd	-	US-1	Pine Lakes Blvd	SL	WB	8.2	5.0	30	120	120	4	3,600	277
34	14	Orange Ave	68	13th St	US-1	SL	EB	12.0	10.2	30	45	120	2	8,700	63
36	15	Virginia Ave	70	Oleander Ave	US-1	SL	EB	18.1	15.4	45	0	105	6	19,300	48
39	17	Delaware Ave	-	Texas Ct	S 5th St	SL	EB	14.0	11.9	30	0	120	2	17,800	44
42	18	25th St	615	Okeechobee Rd	Virginia Ave	SL	SB	21.5	15.1	40	0	30	4	22,500	37
45	19	13th St	-	Orange Ave	Delaware Ave	SL	SB	11.0	11.8	25	75	90	2	4,900	31
60	22	13th St	-	Orange Ave	Delaware Ave	SL	NB	11.8	11.9	25	15	45	2	4,900	9
67	25	Orange Ave	60	W of Kings Hwy	I-95 Ramps	SL	WB	19.7	17.7	45	0	15	4	21,000	2
70	27	Orange Ave	68	I-95 Ramps W	I-95 Ramps E	SL	EB	18.9	17.8	45	0	15	4	21,000	1



Verification

Completed

- ü D4 LOS report
- ü Google maps
- ü TSM&O master plan

To do

- q TMC traffic cameras
- q Field visit



Next Steps

- Meeting with TPO/MPO and County
- TMC visits, coordination
- Field visits
- Phase II analysis



Thank you