



## TECHNICAL ADVISORY COMMITTEE (TAC)

### Regular Meeting

Tuesday, January 13, 2015  
1:30 pm

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### AGENDA

1. **Call to Order**
2. **Roll Call**
3. **Approval of Minutes**
  - *July 15, 2014 Regular Meeting*
4. **Comments from the Public**
5. **Approval of Agenda**
6. **Action Items**
  - 6a. **Annual Officer Elections:** Election of a Chairperson and a Vice-Chairperson for the TAC for 2015.  
  
*Action: Nominate and Elect a Chairperson and a Vice-Chairperson.*
  - 6b. **Revised 2015 Meeting Dates:** Approval of the revised 2015 meeting dates for the St. Lucie TPO TAC.  
  
*Action: Approve the revised 2015 meeting dates, approve with conditions, or do not approve.*
  - 6c. **Congestion Management Process (CMP) Annual Report:** A presentation of the CMP Annual Report for 2014.  
  
*Action: Review and recommend acceptance of the 2014 CMP Annual Report, recommend acceptance with conditions, or do not recommend acceptance.*
  - 6d. **2040 Long Range Transportation Plan (2040 LRTP) Growth Projections:** A presentation of the growth projections for the St. Lucie TPO area that are proposed to be used in the development of the 2040 LRTP.  
  
*Action: Review and recommend acceptance of the 2040 LRTP growth projections, recommend acceptance with conditions, or do not recommend acceptance.*

**7. Discussion Items**

**7a. Pedestrian Facility Inventory Program Update:** A presentation on an update of the Pedestrian Facility Inventory Program for the St. Lucie TPO area.

***Action:** Discuss and provide comments to staff.*

**8. Recommendations/Comments by Members****9. Staff Comments**

**10. Next Meeting:** Subject to approval of Agenda Item 6b, the next St. Lucie TPO TAC meeting is a regular meeting scheduled for 1:30 pm on Tuesday, March 10, 2015.

**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, 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 Ayisyen: Si ou ta rinmin recevoua information sa en crèole si l bous plait rèlè 772-462-1593.

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



**ST. LUCIE TRANSPORTATION PLANNING ORGANIZATION (TPO)  
TECHNICAL ADVISORY COMMITTEE (TAC)**

**DATE:** Tuesday, July 15, 2014

**TIME:** 1:30 p.m.

**LOCATION:** St. Lucie TPO  
Coco Vista Centre  
466 SW Port St. Lucie Blvd., Suite 111  
Port St. Lucie, Florida

**MINUTES**

**1. Call to Order**

Craig Hauschild, Chairman, called the July 15, 2014 meeting of the St. Lucie Transportation Planning Organization Technical Advisory Committee (TAC) to order at 1:40 p.m.

**2. Roll Call**

The roll was taken via sign-in sheet. A quorum was present.

**Members present:**

Craig Hauschild  
Roxanne Chesser  
Arlene Tanis  
Hui Zhao  
Britton Wilson  
Anne Cox  
Roje Gonzalez  
Corine Williams  
Jack Andrews

**Representing:**

St. Lucie County  
City of Port St. Lucie  
FDOT  
FDOT  
St. Lucie County  
City of Port St. Lucie  
COASL/Community Transit  
St. Lucie County  
City of Fort Pierce

**Others present:**

Peter Buchwald  
Ed DeFini  
Melissa Carter  
Marceia Lathou  
Bill Ball

**Representing:**

St. Lucie TPO  
St. Lucie TPO  
Consultant  
St. Lucie TPO  
Tindale-Oliver & Associates

Mary Holleran  
Kim DeLaney

Recording Specialist  
TCRPC

### 3. **Approval of Minutes – May 20, 2014 Meeting**

\* **MOTION – MOVED** by Ms. Wilson to approve the minutes of the TAC meeting held on May 20, 2014.

\*\* **SECONDED** by Ms. Williams **Carried UNANIMOUSLY**

### 4. **Comments from the Public – None**

### 5. **Approval of Agenda**

\* **MOTION – MOVED** by Mr. Gonzalez to approve the agenda as presented.

\*\* **SECONDED** by Mr. Andrews **Carried UNANIMOUSLY**

### 6. **Action Items**

#### **6a. St. Lucie-Martin Regional Waterways Study:**

Mr. Buchwald presented an overview of the planning process for the Regional Waterways Plan.

Kim DeLaney, Treasure Coast Regional Planning Council, provided an overview of the findings and recommendations from the Waterways Plan. She mentioned the plan was a result of broad-based multi-agency and public involvement that included the Martin MPO and the Florida Inland Navigation District (FIND). She noted one of the main concerns voiced was the protection of water quality. In addition, public involvement input centered on public access, responsibility of boaters, and waterfront villages among other concerns.

Ms. DeLaney outlined the results of the water taxi feasibility study that was incorporated as part of the Waterways Plan. The analysis concluded the potential exists for peak season and special event service.

Ms. DeLaney highlighted recommendations from the plan based on Marine Transportation, Natural Resources, Recreation & Eco-Tourism, Land Use & Upland Transportation, Public Access and Economic Development. The key areas for analysis as waterfront villages in St. Lucie County were the Westmoreland Tract in Port St. Lucie and the potential for a maritime academy in Fort Pierce.

Ms. DeLaney was asked to clarify the role of the Florida Inland Navigation District (FIND). She explained that FIND is a funding partner in the Waterways Plan and that as a special state taxing district dedicated to the management and maintenance of the Intracoastal Waterways, FIND could assist in funding the implementation of projects resulting from the Plan. Other potential funding partners are South Florida Water Management District, EPA, FDOT, FHWA and FTA.

Mr. Hauschild asked what was the result of citizen input regarding boating issues. Ms. DeLaney replied that the public generally stated that more dredging and boat docks could encourage more boating.

Ms. Williams asked about coordination with the County's tourism department. Ms. DeLaney acknowledged coordination with the tourism departments of both counties. She noted that in general there has been a lack of data collection on tourism which creates a challenge in terms of planning.

Mr. Andrews asked how destinations were determined for the water taxi. Ms. DeLaney replied that given a 45-minute travel time standard, a Fort Pierce water taxi could not reach Jensen Beach; however, a water taxi originating from Club Med in Port St. Lucie could. She discussed existing water taxi services and opportunities for public-private partnerships.

TAC members expressed concern regarding the lack of a draft document. Mr. Buchwald asked if a detailed list similar to the LOPP would address that concern and the TAC members concurred. **Mr. Buchwald said the item would be brought back to the next TAC meeting in a better format.**

\* **MOTION – MOVED** by Ms. Tanis to continue the item to the next TAC meeting at which time a detailed list of recommendations would be presented.

\*\* **SECONDED** by Mr. Andrews **Carried UNANIMOUSLY**

#### **6b. 2014/15 List of Priority Projects (LOPP):**

Mr. Buchwald reviewed the draft LOPP for 2014/15 for the St. Lucie TPO and described the role of the LOPP in the development of the Transportation Improvement Program (TIP). He noted that certain changes had been made in the LOPP that were not incorporated into

member agenda packets and asked the members to review the LOPP shown on their screens.

Ms. Tanis noted that FDOT had determined additional money was available due to issues related to segmentation of the Port St. Lucie Boulevard project. She noted a TIP amendment would be necessary. Discussion ensued regarding where the additional funds might be allocated.

Mr. Hauschild inquired about the McCarty Road bridge project and Mr. Buchwald responded the project was already fully funded and therefore would not be included in the LOPP.

- \* **MOTION – MOVED** by Mr. Andrews to recommend adoption of the draft LOPP as presented at the TAC meeting.

- \*\* **SECONDED** by Ms. Williams **Carried UNANIMOUSLY**

## 7. Discussion Items

### 7a. **2040 Long Range Transportation Plan (2040 LRTP):**

Mr. Buchwald provided an overview of the LRTP process noting the requirements to update the plan every five years and the due date of the next update – February 2016.

Bill Ball, Tindale-Oliver & Associates, provided a presentation on the conceptual scope of services for the development of the LRTP. He highlighted the three-phased approach to be taken.

Mr. Hauschild asked if operations and maintenance would be included in the LRTP. Mr. Buchwald said we could ask FDOT for greater detail which would facilitate greater local influence on how the money is spent. Operations and maintenance should be included for both state and non-state roads.

Ms. Tanis noted that cost feasibility should be documented. What are the assumptions for cost estimates? Mr. Buchwald noted this cost feasibility and revenue information should be incorporated into the main document, not just the appendices.

## 8. **Recommendations/Comments by Members**

**Mr. Hauschild suggested that Outlook appointments be sent out for the meetings and that TAC member acceptance of the**

**Outlook appointments could be used to help determine quorums. Mr. Buchwald concurred.**

**9. Staff Comments**

Mr. Buchwald thanked the TAC members for their participation and support.

**10. Next Meeting** - The next St. Lucie TPO TAC meeting is scheduled for 1:30 p.m. on Tuesday, September 16, 2014.

**11. ADJOURN**

The meeting was adjourned at 3:20 p.m.

Respectfully Submitted:

Approved by:

\_\_\_\_\_  
Marceia Lathou  
Transit Program Manager

\_\_\_\_\_  
Craig Hauschild  
Chairman

DRAFT

## AGENDA ITEM SUMMARY

|                              |  |
|------------------------------|--|
| <b>Board/Committee:</b>      | Technical Advisory Committee (TAC)   |
| <b>Meeting Date:</b>         | January 13, 2015   |
| <b>Item Number:</b>          | 6a   |
| <b>Item Title:</b>           | Annual Officer Elections   |
| <b>Item Origination:</b>     | TPO By-Laws  |
| <b>UPWP Reference:</b>       | Task 1.1 -Program Management   |
| <b>Requested Action:</b>     | Nominate and elect a Chairperson and a Vice-Chairperson for 2015. The Chairperson for 2014 was Craig Hauschild, and the Vice-Chairperson for 2014 was Roxanne Chesser. |
| <b>Staff Recommendation:</b> | Not applicable   |

### Attachments

- TAC 2014 Roll Call Sheet



## TECHNICAL ADVISORY COMMITTEE (TAC) ROLL CALL SHEET 2014

| MEMBER & ALTERNATE(S)/REPRESENTING   | PRESENT | ABSENT |
|--|---------|--------|
| <b>Gus Schmidt – FDOT D4 Plan &amp; Env Eng</b><br><i>Chon Wong / Hui Zhao</i>                                 |         |        |
| <b>Arlene Tanis – FDOT D4 Mod Dev Admn</b><br><i>Jeff Weidner</i>  |         |        |
| <b>Rebecca Grohall – City of FP Planning</b>   |         |        |
| <b>Mark Satterlee – SLC Planning &amp; Dev</b><br><i>Leslie Olson / Britton Wilson</i>                         |         |        |
| <b>Jack Andrews – City of FP Engineering</b><br><i>Ed Seissiger</i>  |         |        |
| <b>Dan Holbrook – City of PSL Planning</b><br><i>Anne Cox / John Finizio</i>                                   |         |        |
| <b>John Wiatrak – SLC Airport</b>  |         |        |
| <b>Tony Liento – SLC Fire Dist</b><br><i>Chris Bushman</i>   |         |        |
| <b>Phil Vitale – SLC School Dist</b>   |         |        |
| <b>George Pantuso – Freight Rep</b><br><i>Rusty Varn</i>   |         |        |
| <b>Joe Guertin – SLC Sheriff’s Office</b><br><i>Kurt Mittwede</i>  |         |        |
| <b>Corine Williams – SLC Transit Mgr</b>   |         |        |
| <b>Craig Hauschild <u>Chair</u>–SLC Engineering</b><br><i>John Frank</i>                                       |         |        |
| <b>Rogelio Gonzalez – Council on Aging of St. Lucie</b>  |         |        |
| <b>Patricia Roebing – City of PSL Engr</b><br><i>Roxanne Chesser <u>Vice-Chair</u></i><br><i>Edie Majewski</i> |         |        |

15 Members  
Quorum = 8  
Quorum has been met \_\_\_\_\_

## AGENDA ITEM SUMMARY

|                              |   |
|------------------------------|---|
| <b>Board/Committee:</b>      | Technical Advisory Committee (TAC)  |
| <b>Meeting Date:</b>         | January 13, 2015  |
| <b>Item Number:</b>          | 6b  |
| <b>Item Title:</b>           | Revised 2015 Meeting Dates  |
| <b>Item Origination:</b>     | Florida Department of Transportation District 4 (FDOT)  |
| <b>UPWP Reference:</b>       | Task 1.1 - Program Management   |
| <b>Requested Action:</b>     | Approve the revised 2015 meeting dates, approve with conditions, or do not approve.   |
| <b>Staff Recommendation:</b> | Because the revised date for the Joint Meeting of the TPO Advisory Committees accommodates FDOT's request, it is recommended that the revised 2015 meeting dates be approved. |

### **Attachments**

- Staff Report
- Draft Revised 2015 Meeting Dates

## **MEMORANDUM**

**TO:** Technical Advisory Committee (TAC)

**FROM:** Peter Buchwald  
Executive Director

**DATE:** January 7, 2015

**SUBJECT:** **Revised 2015 Meeting Dates**

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### **BACKGROUND**

Upon approval of the 2015 Meeting Dates by the TPO Advisory Committees at the Joint Meeting on November 18, 2014, the Florida Department of Transportation District 4 (FDOT) provided notification of the acceleration of the FDOT Work Program development schedule for 2015. The acceleration of the Work Program development schedule is due to the advancement of the start of the 2016 Florida Legislative Session to January of that year. FDOT requested that the Joint Meeting with the TPO Advisory Committees that generally is conducted in November of each year to review the Draft Tentative Work Program be advanced to September for 2015 to accommodate the accelerated Work Program development schedule.

### **ANALYSIS**

To accommodate FDOT, it is proposed for the 2015 Joint Meeting of the TPO Advisory Committees to be conducted on September 15th at 1:30 pm. The TPO Advisory Committees subsequently would then conduct individual regular meetings at the customary days and times during the week of November 16th.

### **RECOMMENDATION**

Because the revised date for the Joint Meeting of the TPO Advisory Committees accommodates FDOT's request, it is recommended that the revised 2015 meeting dates be approved.

***DRAFT***  
**Technical Advisory Committee (TAC)**  
**Revised 2015 Meeting Dates**  
(Approved: \_\_\_\_\_)

Tuesday, January 13, 2015, 1:30 pm

Tuesday, March 10, 2015, 1:30 pm

Tuesday, May 19, 2015, 1:30 pm

Tuesday, July 21, 2015, 1:30 pm

Tuesday, September 15, 2015, 1:30 pm  
(Joint Meeting with the Citizens Advisory Committee  
and the Bicycle-Pedestrian Advisory Committee)

Tuesday, November 17, 2015, 1:30 pm

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

## AGENDA ITEM SUMMARY

|                              |  |
|------------------------------|--|
| <b>Board/Committee:</b>      | Technical Advisory Committee (TAC)   |
| <b>Meeting Date:</b>         | January 13, 2015   |
| <b>Item Number:</b>          | 6c   |
| <b>Item Title:</b>           | Congestion Management Process (CMP) Annual Report  |
| <b>Item Origination:</b>     | TPO Unified Planning Work Program (UPWP)   |
| <b>UPWP Reference:</b>       | Task 3.4 – CMP   |
| <b>Requested Action:</b>     | Review and recommend acceptance of the 2014 CMP Annual Report, recommend acceptance with conditions, or do not recommend acceptance  |
| <b>Staff Recommendation:</b> | As the CMP Annual Report confirms the benefits and purpose of the 2011 CMP, it is recommended that the CMP Annual Report that includes the Revised CMP Implementation Plan be recommended for acceptance by the TPO Board. |

### **Attachments**

- Staff Report
- Revised 2013 CMP Implementation Plan
- Draft Revised 2014 CMP Implementation Plan
- CMP Annual Report

## **MEMORANDUM**

**TO:** Technical Advisory Committee (TAC)

**THROUGH:** Peter Buchwald  
Executive Director

**FROM:** Yi Ding  
Livability Planner

**DATE:** January 9, 2015

**SUBJECT: Congestion Management Process (CMP) Annual Report**

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### **BACKGROUND**

The Congestion Management Process (CMP) identifies and evaluates areas with congestion or safety issues and prioritizes projects which address the identified congestion and safety issues. The CMP projects without identified funding sources may be added to the TPO's List of Priority Projects (LOPP) for future funding considerations. The primary element of the CMP is the CMP Implementation Plan that identifies prioritized CMP projects and the associated potential funding allocations.

In August 2009, the TPO Board approved the allocation of Federal funding in the amount of \$300,000 annually for CMP projects. In September 2014, the TPO Board revised the fixed amount to a range of \$300,000 - \$400,000.

The CMP projects are derived from the adopted 2011 CMP and its Implementation Plan. The Implementation Plan was most recently revised and adopted in September 2013 (attached). Since then, the status of several projects has changed, and additional project information has been obtained which necessitates revisions to the CMP Implementation Plan. In addition, the CMP Annual Report was developed to evaluate the effectiveness of the CMP and its Implementation Plan.

## **ANALYSIS**

The changes in the status of the projects in the adopted 2013 CMP Implementation Plan include the following:

- Port St. Lucie Blvd @ Gatlin Blvd: this project was removed from the CMP Implementation Plan because the intersection improvements are funded in the TPO's Transportation Improvement Program (TIP) and are in the design phase.
- U.S. Highway 1 @ Old Dixie Highway: the project was removed from the CMP Implementation Plan upon TPO board direction at the December 2014 meeting.

To develop the draft Revised CMP Implementation Plan (attached), the above-listed projects were deleted and the unfunded or unprogrammed projects remain for either confirmation or reprioritization. Once adopted, the Revised CMP Implementation Plan will be incorporated into the LOPP for funding/programming and inclusion in the TIP, FDOT work program, and ongoing project prioritization for grants.

To develop the CMP Annual Report (attached), the status and performance measures of all 9 projects selected for the initial 2011 CMP Implementation Plan were summarized. As identified in the Report, additional traffic volume was accommodated at the completed roundabout intersection. This is consistent with the benefits and purpose of the CMP as well as the CMP's toolbox of Utilizing Existing Capacity More Efficiently. Therefore, the CMP has been effective to date.

## **RECOMMENDATIONS**

As the CMP Annual Report confirms the benefits and purpose of the 2011 CMP, it is recommended that the CMP Annual Report that includes the Revised CMP Implementation Plan be recommended for acceptance by the TPO Board.



| Rank            | Intersection                        | Improvement Description   | Estimated Construction Cost | Status                                | Fiscal Year      |                  |                  |                  |                  |
|-----------------|-------------------------------------|---|-----------------------------|---------------------------------------|------------------|------------------|------------------|------------------|------------------|
|                 |                                     |   |                             |                                       | 2014/15          | 2015/16          | 2016/17          | 2017/18          | 2018/19          |
| 1               | Port St. Lucie Blvd @ Gatlin Blvd   | Signal timing adjustments, extension of the westbound left-turn lane, and associated improvements on the westbound approach | \$500,000 <sup>1</sup>      |                                       | \$300,000        | \$200,000        |                  |                  |                  |
| 2               | St. Lucie West Blvd @ Peacock Blvd  | Extend the southbound innermost left-turn lane and incorporate signal timing adjustments                                    | \$100,000 <sup>1</sup>      |                                       |                  | \$100,000        |                  |                  |                  |
| 3               | California Blvd @ University Blvd   | Construct a roundabout  | \$350,000 <sup>1</sup>      |                                       |                  |                  | \$300,000        | \$50,000         |                  |
| 4               | California Blvd @ Del Rio Blvd      | Construct a roundabout  | \$350,000 <sup>1</sup>      |                                       |                  |                  |                  | \$250,000        | \$100,000        |
| 5               | Port St. Lucie Blvd @ Floresta Blvd | Extend westbound right-turn lane  | \$250,000 <sup>1</sup>      |                                       |                  |                  |                  |                  | \$200,000        |
| 6               | U.S. Highway 1 @ Old Dixie Highway  | Construct a median to close/prohibit the left turn from westbound Old Dixie Highway to southbound U.S. Highway 1            | \$30,000 <sup>2</sup>       | Awaiting City of Fort Pierce approval |                  |                  |                  |                  |                  |
| <b>TOTALS →</b> |                                     |   | <b>\$1,580,000</b>          |                                       | <b>\$300,000</b> | <b>\$300,000</b> | <b>\$300,000</b> | <b>\$300,000</b> | <b>\$300,000</b> |

<sup>1</sup>Source: City of Port St. Lucie Engineering Department, July 2013

<sup>2</sup>Source: *St. Lucie Transportation Planning Organization Congestion Management Process, October 2011*



| Rank            | Intersection                        | Improvement Description  | Estimated Construction Cost | Fiscal Year |                  |                  |                  |                  |
|-----------------|-------------------------------------|--|-----------------------------|-------------|------------------|------------------|------------------|------------------|
|                 |                                     |  |                             | 2014/15     | 2015/16          | 2016/17          | 2017/18          | 2018/19          |
| 1               | California Blvd @ University Blvd   | Construct a roundabout   | \$350,000 <sup>1</sup>      |             | \$300,000        | \$50,000         |                  |                  |
| 2               | California Blvd @ Del Rio Blvd      | Construct a roundabout   | \$350,000 <sup>1</sup>      |             |                  | \$250,000        | \$100,000        |                  |
| 3               | St. Lucie West Blvd @ Peacock Blvd  | Extend the southbound innermost left-turn lane and incorporate signal timing adjustments | \$100,000 <sup>1</sup>      |             |                  |                  | \$100,000        |                  |
| 4               | Port St. Lucie Blvd @ Floresta Blvd | Extend westbound right-turn lane   | \$250,000 <sup>1</sup>      |             |                  |                  | \$100,000        | \$150,000        |
| <b>TOTALS →</b> |                                     |  | <b>\$1,050,000</b>          |             | <b>\$300,000</b> | <b>\$300,000</b> | <b>\$300,000</b> | <b>\$150,000</b> |

<sup>1</sup>Source: City of Port St. Lucie Engineering Department, July 2013

| Rank | Intersection                       | Improvement Description  | Estimated Construction Cost | Status   | Performance Measures |                     |                     |      |
|------|------------------------------------|--|-----------------------------|--|----------------------|---------------------|---------------------|------|
|      |                                    |  |                             |  | Vehicle Throughput   |                     | Safety <sup>4</sup> |      |
|      |                                    |  |                             |  | 2011                 | 2014                | 2011                | 2014 |
| 1    | US Highway 1 @ Old Dixie Highway   | Close/prohibit the westbound to southbound left-turn movement  | N/A                         | Removed from the Implementation Plan upon TPO board direction at the December 2014 meeting   | 8,253 <sup>3</sup>   | N/A                 |                     | 2    |
| 2    | Prima Vista Blvd @ Bayshore Blvd   | Construct sidewalk along Bayshore Blvd between Prima Vista Blvd and Selvitz Road   | \$526,952 <sup>1</sup>      | Funded in TIP. Under Construction – anticipated completion June 2015. <sup>1</sup>   | 14,275 <sup>3</sup>  | N/A                 |                     | 45   |
| 3    | Prima Vista Blvd @ Bayshore Blvd   | Implement a southbound right-turn overlap signal phase and extend the southbound right-turn lane towards the north (up to Macedo Blvd) | N/A                         | This intersection has protected left turns and does not have a southbound right turn overlap. The southbound right turn lane was recently constructed (2011-2012). The intersection is functioning without major delays or issues, and the City has not received complaints regarding congestion at this intersection. Therefore, It was removed from the Implementation Plan. <sup>1</sup>  | 14,275 <sup>3</sup>  | N/A                 |                     | 45   |
| 4    | Port St. Lucie Blvd @ Gatlin Blvd  | Signal timing adjustments; extension of the westbound left-turn lane plus associated improvements on the westbound approach            | \$600,000 <sup>2</sup>      | Funded in TIP. This project is currently under design by the City's Consultant, Miller-Legg. Design concepts are scheduled to be reviewed and discussed by the City Council at the March 2015 Workshop. <sup>1</sup>   | 13,609 <sup>3</sup>  | N/A                 |                     | 35   |
| 5    | St. Lucie West Blvd @ Peacock Blvd | Extend the southbound innermost left-turn lane and incorporate minor signal timing adjustments to favor the adverse movements          | N/A                         | The SLW Blvd. coordination plan, including Peacock Blvd., has been updated and implemented. City staff is testing and monitoring the Traffic Flow Patterns. <sup>1</sup>   | 12,429 <sup>3</sup>  | N/A                 |                     | 38   |
| 6    | US Highway 1 @ Orange Avenue       | Reconfigure the westbound approach to one exclusive left-turn lane and one shared through/right-turn lane.                             | N/A                         | FDOT is completing through Push Button Contract  | 8,719 <sup>3</sup>   | N/A                 |                     | 11   |
| 7    | Bayshore Blvd @ Selvitz Road       | Construct a roundabout   | \$750k-\$1M <sup>1</sup>    | Included in the City of Port St. Lucie CIP. Turning movement counts have been collected for this intersection and a Warrant Analysis was performed. Based upon the volumes and counts obtained, the size of the roundabout needed at this location would require the acquisition of a significant amount of property. During the fiscal year 14-15, the City will obtain a consultant to review and design the most economical and efficient intersection. Because the City has assumed this project, it has been removed from Implementation Plan. <sup>1</sup> | 3,858 <sup>3</sup>   | N/A                 |                     | 5    |
| 8    | Floresta Drive @ Southbend Blvd    | Construct a roundabout   | -                           | Construction Complete <sup>1</sup>   | 9,200 <sup>5</sup>   | 12,000 <sup>5</sup> |                     | 8    |
| 9    | US Highway 1 @ Virginia Avenue     | Construct southbound right-turn lane   | \$1,537,226 <sup>2</sup>    | Design and right-of -way acquisition funded in draft tentative work program <sup>2</sup>   | 10,235 <sup>3</sup>  | N/A                 |                     | 35   |

<sup>1</sup> Source: City of Port St. Lucie Engineering Department, Jan 2015

<sup>2</sup> Source: Tentative Work Program Fiscal Year 2016 - 2020, Prepared by FDOT - District 4 Program Management Office - 11/05/2014 Data

<sup>3</sup> Source: 4-hour (8-10am & 4-6pm) Intersection Turing Movement Total Count, St. Lucie TPO Congestion Management Process, Oct 2011

<sup>4</sup> Source: Yearly Crash Number, Florida Signal Four Analytics

<sup>5</sup> Source: Station 337 - Floresta Dr./ Southbend Blvd S of Floresta Dr AADT Traffic Count, 2014

## AGENDA ITEM SUMMARY

|                              |   |
|------------------------------|---|
| <b>Board/Committee:</b>      | Technical Advisory Committee (TAC)  |
| <b>Meeting Date:</b>         | January 13, 2015  |
| <b>Item Number:</b>          | 6d  |
| <b>Item Title:</b>           | 2040 Long Range Transportation Plan<br>(2040 LRTP) Growth Projections   |
| <b>Item Origination:</b>     | 2040 LRTP Development Process   |
| <b>UPWP Reference:</b>       | Task 3.1 – Long Range Transportation Planning<br>and MAP-21 Implementation  |
| <b>Requested Action:</b>     | Review and recommend acceptance of the 2040<br>LRTP growth projections, recommend<br>acceptance with conditions, or do not<br>recommend acceptance.   |
| <b>Staff Recommendation:</b> | Based on the 2040 LRTP growth projections<br>being consistent with the zoning and land use<br>policies of the local jurisdictions, it is<br>recommended that the proposed 2040 LRTP<br>growth projections be recommended for<br>acceptance. |

### **Attachments**

- Staff Report
- Map of 2040 Population Growth Projections
- Map of 2040 Employment Growth Projections

## MEMORANDUM

**TO:** Technical Advisory Committee (TAC)

**FROM:** Peter Buchwald  
Executive Director

**DATE:** January 9, 2015

**SUBJECT: 2040 Long Range Transportation Plan (2040 LRTP)  
Growth Projections**

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### BACKGROUND

As part of the development of the 2040 Long Range Transportation Plan (2040 LRTP), a travel demand model, known as the Greater Treasure Coast Regional Planning Model (GTCRPM), is used to project future traffic volumes. Inputs into this model include population and employment projections for the year 2040.

The resulting traffic projections then are used to identify the transportation improvement needs in 2040. The proposed amounts and locations of these projections within the St. Lucie TPO area have been developed and are being provided to the TPO Advisory Committees for review and acceptance.

### ANALYSIS

The population control totals are derived from the population projections developed by the University of Florida, Bureau of Economic and Business Research (BEBR) for the year 2040. Employment control totals then are developed that are proportional with the population control totals.

The following population and employment control totals for the year 2040 have been derived for the St. Lucie TPO area:

|            | <b>2010</b> | <b>2040</b> | <b>Growth</b> | <b>Percent</b> |
|------------|-------------|-------------|---------------|----------------|
| Population | 275,598     | 454,200     | 178,602       | 64.81%         |
| Employment | 94,891      | 150,360     | 55,469        | 58.46%         |

The above-listed growth in population and employment from 2010 to 2040 is divided further into the following land use subcategories:

| <b>Land Use Subcategory</b> | <b>2010</b>    | <b>2040</b>    | <b>Growth</b>  | <b>Percent</b> |
|-----------------------------|----------------|----------------|----------------|----------------|
| Single Family Population    | 238,652        | 397,331        | 158,679        | 66.49%         |
| Multi-Family Population     | 29,876         | 49,741         | 19,865         | 66.49%         |
| Mobile Home Population      | 7,128          | 7,128          | 0              | 0.00%          |
| <b>Total Population</b>     | <b>275,598</b> | <b>454,200</b> | <b>178,602</b> | <b>64.81%</b>  |
|                             |                |                |                |                |
| Hotel Units                 | 3,052          | 5,030          | 1,978          | 64.81%         |
| Industrial Employment       | 18,260         | 29,550         | 11,290         | 61.83%         |
| Commercial Employment       | 23,897         | 38,088         | 14,191         | 59.38%         |
| Service Employment          | 52,902         | 82,723         | 29,821         | 56.37%         |
| <b>Total Employment</b>     | <b>95,059</b>  | <b>150,361</b> | <b>55,302</b>  | <b>58.18%</b>  |

The above-listed forecasts then are allocated across the St. Lucie TPO area based on the following reviews:

- **Review of land use densities:** identifies the amount of future growth on a given parcel depending on the allowed maximum zoning densities adjusted for the historical average consistent with the Future Land Use Elements of the local comprehensive plans.
- **Review of vacant land:** identifies the opportunity to build on a given parcel guided by Future Land Use and zoning designations excluding wetlands and environmentally sensitive lands.
- **Review of approved development:** considers the build out timeframes and current level of build out for developments of regional impact (DRI), site plans, and planned unit developments.
- **Support of economic development:** considers local government comments and direction pertaining to where development should be targeted and encouraged to occur.

A parcel-based land use allocation model, known as ULAM, is used that considers the results of the above-listed reviews to assist in the allocation of the 2040 population and employment projections consistent with the zoning and land use policies of the local jurisdictions. The allocation results are

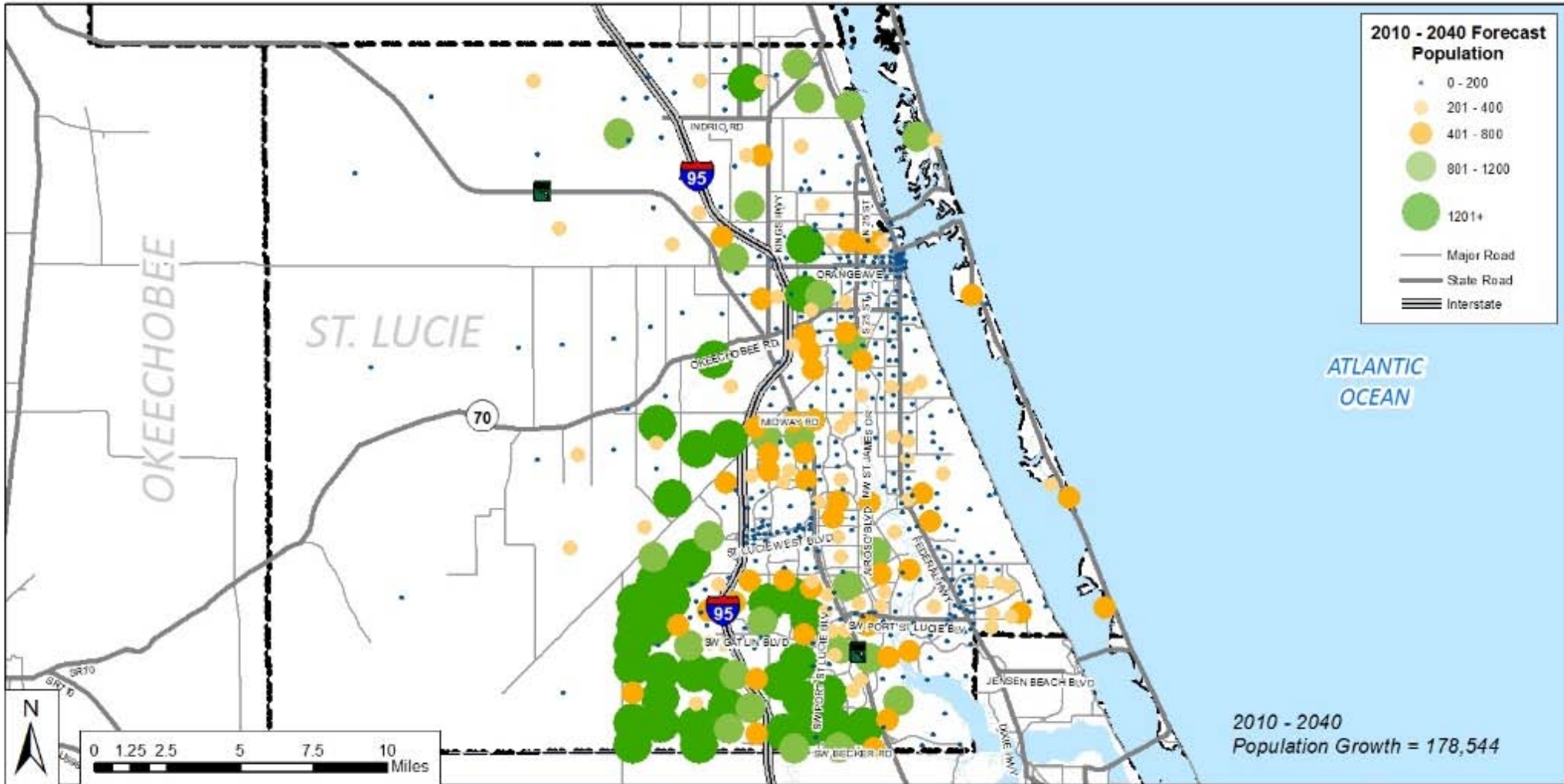
depicted in the attached maps that identify the projected amounts and locations of the population and employment growth by 2040 within the St. Lucie TPO area.

Based on the reviews by the TPO Advisory Committees and Board, the projections will be input into the GTCRPM to identify the transportation improvements needs in 2040, also known as the Needs Plan. The 2040 Needs Plan subsequently will be presented to the TPO Advisory Committees and Board for review and acceptance.

### **RECOMMENDATION**

Based on the 2040 LRTP growth projections being consistent with the zoning and land use policies of the local jurisdictions, it is recommended that the proposed 2040 LRTP growth projections be recommended for acceptance.

# St Lucie County Population Growth







## AGENDA ITEM SUMMARY

|                              |   |
|------------------------------|---|
| <b>Board/Committee:</b>      | Technical Advisory Committee (TAC)  |
| <b>Meeting Date:</b>         | January 13, 2015  |
| <b>Item Number:</b>          | 7a  |
| <b>Item Title:</b>           | Pedestrian Facility Inventory Program Update  |
| <b>Item Origination:</b>     | Unified Planning Work Program (UPWP)  |
| <b>UPWP Reference:</b>       | Task 3.5 – Bicycle/Pedestrian/Greenway<br>Planning  |
| <b>Requested Action:</b>     | Discuss and provide comments to staff.  |
| <b>Staff Recommendation:</b> | It is recommended that the advisory committees review the Pedestrian Facility Inventory Map and provide input regarding additions and deletions to the map. |

### **Attachments**

- Staff Report
- Pedestrian Facilities Inventory Program Summary Map



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## **MEMORANDUM**

**TO:** Technical Advisory Committee (TAC)

**FROM:** Edward DeFini  
Bicycle/Pedestrian Program Manager – GIS Analyst

**THRU:** Peter Buchwald  
Executive Director

**DATE:** January 8, 2015

**SUBJECT: Pedestrian Facility Inventory Program Update**

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### **BACKGROUND**

Kimley-Horn and Associates (KHA) completed a bicycle and pedestrian facilities inventory for the St. Lucie TPO when they performed the Bicycle and Pedestrian Systems Analysis in 2007. KHA subsequently completed a bicycle facilities inventory for the St. Lucie TPO Bicycle Facilities Map in 2014.

Since 2007, a significant number of pedestrian facilities (sidewalks) have been constructed in the TPO's area, and agencies have added other facilities to the TPO's List of Priority Projects (LOPP).

In order to monitor implementation of the 2035 Bicycle, Pedestrian, Greenways and Trails Vision, analyze gaps in pedestrian systems, and apply project prioritization methodology to consider grant applications, an inventory program for pedestrian facilities was established in the FY 2012/13 – 2013/14 Unified Planning Work Program (UPWP). The program is continued in the current UPWP through an update.

### **ANALYSIS**

Geographic information about pedestrian facilities is maintained and updated by local agencies using a Geographic Information System (GIS). The TPO gathers the geographic information from all of the local agencies, and updates it with the LOPP.

The geographic information is converted to Keyhole Markup Language (KML) compatible with the Google Earth. This allows for the updated information to be displayed on a computer, tablet, or smartphone. Users can visualize, question, analyze, interpret, and understand relationships, patterns, and trends occurring with regard to pedestrian facilities in TPO's area.

The following online references can be found on the TPO Website at [www.stlucietpo.org](http://www.stlucietpo.org):

### *Bicycle and Pedestrian Systems Analysis 2007*

The data collected focus on roadway data that can be used to evaluate on-road bicycle and pedestrian improvements (bike lanes and sidewalks) that are typically eligible for transportation funding.

<http://www.stlucietpo.org/projects/st-lucie-bicycle-pedestrian-systems-analysis/>

### *St. Lucie TPO Bicycle Facilities Map 2014*

Focuses on safety information and shows linkages between marked on road bike lanes, paved shoulders (on road), and wide sidewalks.

<http://www.stlucietpo.org/projects/st-lucie-bicycle-facilities-map/>

### *TPO Interactive Maps*

Updated facility maps can be viewed on computers, tablets and smart phones. Consultants and agencies can download facility files for use with geographic information systems (GIS) and presentations.

<http://www.stlucietpo.org/interactive-maps/>

### *TPO's List of Priority Projects (LOPP) and FY 2013/14 – 2014/15 (UPWP)*

Identifies the bicycle and pedestrian facilities that have been prioritized by the TPO for construction <http://www.stlucietpo.org/documents2/>

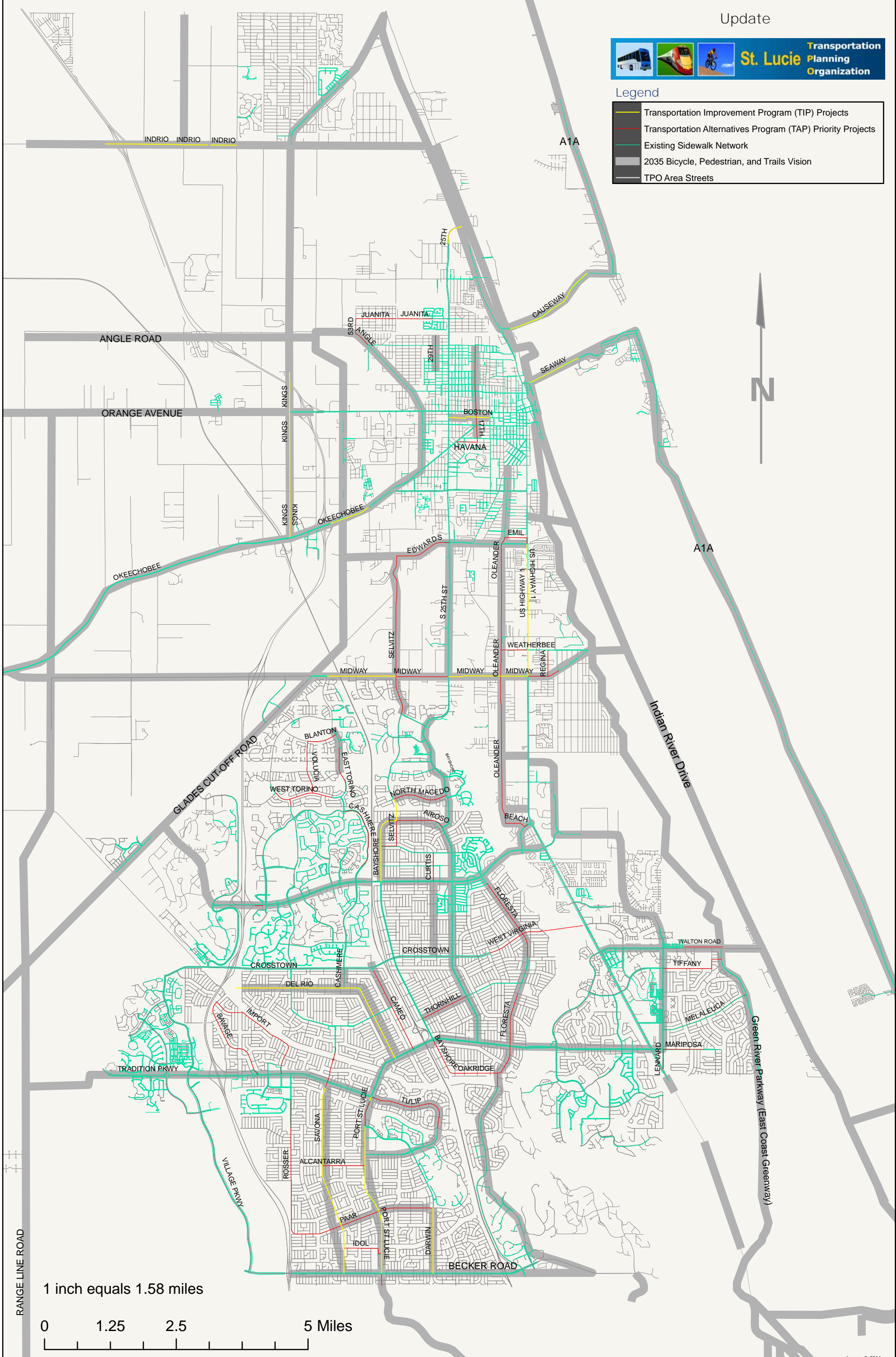
## **RECOMMENDATION**

It is recommended that the advisory committees review the Pedestrian Facility Inventory Map and provide input regarding additions and deletions to the map.



Legend

- Transportation Improvement Program (TIP) Projects
- Transportation Alternatives Program (TAP) Priority Projects
- Existing Sidewalk Network
- 2035 Bicycle, Pedestrian, and Trails Vision
- TPO Area Streets



1 inch equals 1.58 miles

