



BICYCLE-PEDESTRIAN ADVISORY COMMITTEE (BPAC)

Regular Meeting

Thursday, January 15, 2015
3:00 pm

AGENDA

- 1. Call to Order**
 - 2. Roll Call**
 - 3. Approval of Minutes**
 - *July 17, 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 BPAC for 2015.

Action: Nominate and elect a Chairperson and a Vice-Chairperson for 2015.
 - 6b. Revised 2015 Meeting Dates:** Approval of the revised 2015 meeting dates for the St. Lucie TPO BPAC.

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.
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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 BPAC meeting is a regular meeting scheduled for 3:00 pm on Thursday, March 12, 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)
BICYCLE/PEDESTRIAN ADVISORY COMMITTEE (BPAC)**

DATE: Thursday, July 17, 2014
TIME: 3:00 P.M.
LOCATION: St. Lucie TPO Boardroom
 Coco Vista Centre
 466 SW Port St. Lucie Boulevard, Suite 111
 Port St. Lucie, Florida

MINUTES

1. Call to Order

Vice Chair Steve Fousek called the Thursday, July 17, 2014 meeting of the St. Lucie TPO Bicycle Pedestrian Advisory Committee (BPAC) to order at 3:04 P.M.

2. Roll Call

Roll Call conducted by self-introduction.

Members present:

Steve Fousek, Vice Chair
 Nick Dibenedetto
 Jennifer Fierman
 Jennifer Evans
 Muriah Dekle
 David Pollard

Representing:

SLC Environmental Resources Dept.
 Resident – Hiking/Running
 FDOT District 4
 SLC Environmental Resources Dept
 St. Lucie County Resident
 City of Port St. Lucie

Others present:

Peter Buchwald
 Ed DeFini
 Melissa Carter
 Bill Ball
 Kim Delaney
 Joette Giorgis
 Sam Patterson

Representing:

St. Lucie TPO
 St. Lucie TPO
 Recording Specialist
 Tindale-Oliver & Associates Treasure Coast
 Regional Planning Council
 Port St. Lucie Resident
 Division of Blind Service

3. Approval of Minutes

* **MOTION – MOVED** by Ms. Evans to approve the minutes of the BPAC Meeting held on May 22, 2014.

** **SECONDED** by Mr. Pollard Carried **UNANIMOUSLY**

4. **Comments from the Public**-none

5. **Approval of Agenda**

* **MOTION – MOVED** by Ms. Evans to approve the agenda.

** **SECONDED** by Mr. Pollard Carried **UNANIMOUSLY**

6. **Action Items**

6a. St. Lucie-Martin Regional Waterways Plan:

Mr. Peter Buchwald stated the Regional Waterways Plan ensure public benefit and vitalities of the waterways. It was produced in collaboration with Martin Metropolitan Planning Organization and the Florida Inland Navigation District (FIND), under the guidance of a steering committee, Buchwald emphasized, including Steve Fousek.

Ms. Kim DeLaney, Treasure Coast Regional Planning Council, provided an overview of the findings and recommendations from the Waterways Plan. In addition, public involvement input centered on public access, responsibility of boaters and waterfront villages, and other concerns.

The Waterways plan incorporated a water taxi feasibility study that found water taxis had the most potential during special events or the peak of season.

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 were the waterfront villages in St. Lucie County, the Westmoreland Tract in Port St. Lucie, and the potential for a maritime academy in Fort Pierce.

Mr. Dibenedetto asked about the potential of creating multiuse trails along the C-23 and C-24 channels. Ms. Delaney explained this had already been presented by the city of Port St. Lucie and has great potential. She eluded it would take a lot of effort to enact because there would be resistances from the flanking residential. Mr. Fousek mentioned that it took him 1.5 years to create equestrian trail along the cannel.

Ms. Joette Giorgis of 564 SW Crawfish Drive, Becker Road area resident cycles because she suffers from Parkinson's disease. Ms. Giogis expressed her desire for better more connected sidewalks and public parks in her area, particularly a park on the C-24 canal.

Mr. Fousek questioned if they had enough information to make a motion on the Waterways plan. Mr. Buchwald, agreed that the plan was in a schematic state. Continuing Buchwald explained it would enable projects identified in the Waterways to be included in the currently developing local jurisdictions budgets and the currently developing List of Priority Projects. Mr. David Pollard, who with Fousek is on the steering committee, suggested "big picture" support for the plan.

* **MOTION – MOVED** by Ms. Delke to recommended moving forward with refining and prioritization outline list of conceptual projects for the Long Range Transportation Plan.

** **SECONDED** by Mr. Pollard **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.

Mr. Pollard asked if the projects proximity to schools affected the ranking. Mr. Buchwald answered that several projects where recommended by the School Board. He continued stating the project where scoured using the Transportation Alternative Methodology that includes consideration for usage.

Ms. Evans inquired about the amount of transit operating funding, noting the up ranking of additional bus services. Responding Mr. Buchwald stated that the operating budget was somewhere between 2.7-3 million dollars and the new routes could be added within the next year. Ms. Evans noted the Veterans Nursing Home Proposal at Tradition included transportation for the potential residents. Mr. Buchwald emphasize the 5th Ranked Tradition Transit Hub was added to the list to support the proposed Veterans Nursing and other facilities in the Tradition area.

A desire for Regional Bus Service to the Palm Beach County was expressed by Ms. Giorgis. Due to her condition the furthest she can drive is 45 minutes. This enables her to reach the Mangonia Park Tri-Rail station, she would prefer to take a regional bus to driving.

Also, Ms. Giorgis communicated a desire for more sidewalks. She had learned sidewalks would not be placed on Port St. Lucie Boulevard until it is widened. She explained there are parallel side roads to Port St. Lucie Boulevard available for safer biking and walking, but it is the only option for crossing the canal between Jingle Avenue and Hoffenburg Avenue. Ms. Giorgis requested a sidewalk or gravel path to connect the existing sidewalk on the bridge to the side roads. Mr. Buchwald stated Port St. Lucie Boulevard is currently being studied for widening, though it is a longer

process due to the project's federal funding. Continuing Mr. Buchwald stated her comments were every helpful and expressed a desire for more public participation.

Mr. Fousek asked where the Regional Bus to Palm Beach County would end. Mr. Buchwald stated the terminus would be Intermodal hub in downtown West Palm Beach, to connect with the Palm Beach Transit System including Palm Tran and Tri-Rail.

* **MOTION – MOVED** by Mr. Pollard to recommend adoption of the draft LOPP.

** **SECONDED** by Ms. Evans **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.

Mr. Bill Ball of 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.

7. Recommendations/Comments by Members

Ms. Fierman discussed with the committee how frequently they would like to review the list of upcoming FDOT projects. The committee agreed that quarterly would be appropriate, unless the project list is too redundant.

Ms. Melissa Carter explained that the meeting was listed in the Treasure Coast Cycling Association New Letter and on St. Lucie TPO Social Media Sites.

Mr. Sam Patterson of the Division of Blind Service presented Council of Social Agencies (COSA), as good venue to solicit state holder involvement for the Long Range Transportation Plan.

Also Ms. Evans encouraged the St. Lucie TPO to reach out to school system regarding Long Range Transportation Plan. Ms. Carter explained St. Lucie TPO the current Safe Route to School Relationships.

9. Staff Comments

Mr. Buchwald thanked everyone for attending and appreciated their comments and input. He stressed the importance of the next meeting September 18, 2014, because it is when the List of Priority Projects would be reviewed.

10. Next Meeting - The next St. Lucie TPO TAC meeting is scheduled for 3:00 p.m. on Thursday, September 18, 2014.

11. Adjourn

The meeting was adjourned at 4:26 P.M.

Respectfully Submitted:

Approved by:

Melissa Carter
Recording Specialist

Brad Keen
BPAC Chair

DRAFT

AGENDA ITEM SUMMARY

Board/Committee: Bicycle-Pedestrian Advisory Committee (BPAC)

Meeting Date: January 15, 2015

Item Number: 6a

Item Title: Annual Officer Elections

Item Origination: TPO By-Laws

UPWP Reference: Task 6.1 -Public Involvement

Requested Action: Nominate and elect a Chairperson and a Vice-Chairperson for 2015. The Chairperson for 2014 was Brad Keen, and the Vice-Chairperson for 2014 was Steve Fousek.

Staff Recommendation: Not applicable

Attachments

- None

AGENDA ITEM SUMMARY

Board/Committee:	Bicycle-Pedestrian Advisory Committee (BPAC)
Meeting Date:	January 15, 2015
Item Number:	6b
Item Title:	Revised 2015 Meeting Dates
Item Origination:	Florida Department of Transportation District 4 (FDOT)
UPWP Reference:	Task 1.1 - Program Management
Requested Action:	Approve the revised 2015 meeting dates, approve with conditions, or do not approve.
Staff 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.

Attachments

- Staff Report
- Draft Revised 2015 Meeting Dates

MEMORANDUM

TO: Bicycle-Pedestrian Advisory Committee (BPAC)

FROM: Peter Buchwald
Executive Director

DATE: January 7, 2015

SUBJECT: **Revised 2015 Meeting Dates**

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
Bicycle-Pedestrian Advisory Committee (BPAC)
Revised 2015 Meeting Dates
(Approved: _____)

Thursday, January 15, 2015, 3:00 pm

Thursday, March 12, 2015, 3:00 pm

Thursday, May 21, 2015, 3:00 pm

Thursday, July 23, 2015, 3:00 pm

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

Thursday, November 19, 2015, 3:00 pm

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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 informaciòn en español, por favor llame al 772-462-1593.

AGENDA ITEM SUMMARY

Board/Committee:	Bicycle-Pedestrian Advisory Committee (BPAC)
Meeting Date:	January 15, 2015
Item Number:	6c
Item Title:	Congestion Management Process (CMP) Annual Report
Item Origination:	TPO Unified Planning Work Program (UPWP)
UPWP Reference:	Task 3.4 – CMP
Requested Action:	Review and recommend acceptance of the 2014 CMP Annual Report, recommend acceptance with conditions, or do not recommend acceptance
Staff Recommendation:	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



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

MEMORANDUM

TO: Bicycle-Pedestrian Advisory Committee (BPAC)

THROUGH: Peter Buchwald
Executive Director

FROM: Yi Ding
Livability Planner

DATE: January 9, 2015

SUBJECT: Congestion Management Process (CMP) Annual Report

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 ¹		\$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 ¹			\$100,000			
3	California Blvd @ University Blvd	Construct a roundabout	\$350,000 ¹				\$300,000	\$50,000	
4	California Blvd @ Del Rio Blvd	Construct a roundabout	\$350,000 ¹					\$250,000	\$100,000
5	Port St. Lucie Blvd @ Floresta Blvd	Extend westbound right-turn lane	\$250,000 ¹						\$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 ²	Awaiting City of Fort Pierce approval					
TOTALS →			\$1,580,000		\$300,000	\$300,000	\$300,000	\$300,000	\$300,000

¹Source: City of Port St. Lucie Engineering Department, July 2013

²Source: *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 ¹		\$300,000	\$50,000		
2	California Blvd @ Del Rio Blvd	Construct a roundabout	\$350,000 ¹			\$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 ¹				\$100,000	
4	Port St. Lucie Blvd @ Floresta Blvd	Extend westbound right-turn lane	\$250,000 ¹				\$100,000	\$150,000
TOTALS →			\$1,050,000		\$300,000	\$300,000	\$300,000	\$150,000

¹Source: City of Port St. Lucie Engineering Department, July 2013

Rank	Intersection	Improvement Description	Estimated Construction Cost	Status	Performance Measures			
					Vehicle Throughput		Safety ⁴	
					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 ³	N/A		2
2	Prima Vista Blvd @ Bayshore Blvd	Construct sidewalk along Bayshore Blvd between Prima Vista Blvd and Selvitz Road	\$526,952 ¹	Funded in TIP. Under Construction – anticipated completion June 2015. ¹	14,275 ³	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. ¹	14,275 ³	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 ²	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. ¹	13,609 ³	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. ¹	12,429 ³	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 ³	N/A		11
7	Bayshore Blvd @ Selvitz Road	Construct a roundabout	\$750k-\$1M ¹	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. ¹	3,858 ³	N/A		5
8	Floresta Drive @ Southbend Blvd	Construct a roundabout	-	Construction Complete ¹	9,200 ⁵	12,000 ⁵		8
9	US Highway 1 @ Virginia Avenue	Construct southbound right-turn lane	\$1,537,226 ²	Design and right-of -way acquisition funded in draft tentative work program ²	10,235 ³	N/A		35

¹ Source: City of Port St. Lucie Engineering Department, Jan 2015

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

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

⁴ Source: Yearly Crash Number, Florida Signal Four Analytics

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

AGENDA ITEM SUMMARY

Board/Committee:	Bicycle-Pedestrian Advisory Committee (BPAC)
Meeting Date:	January 15, 2015
Item Number:	6d
Item Title:	2040 Long Range Transportation Plan (2040 LRTP) Growth Projections
Item Origination:	2040 LRTP Development Process
UPWP Reference:	Task 3.1 – Long Range Transportation Planning and MAP-21 Implementation
Requested Action:	Review and recommend acceptance of the 2040 LRTP growth projections, recommend acceptance with conditions, or do not recommend acceptance.
Staff 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.

Attachments

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

MEMORANDUM

TO: Bicycle-Pedestrian Advisory Committee (BPAC)

FROM: Peter Buchwald
Executive Director

DATE: January 9, 2015

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

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:

	2010	2040	Growth	Percent
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:

Land Use Subcategory	2010	2040	Growth	Percent
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%
Total Population	275,598	454,200	178,602	64.81%
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%
Total Employment	95,059	150,361	55,302	58.18%

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

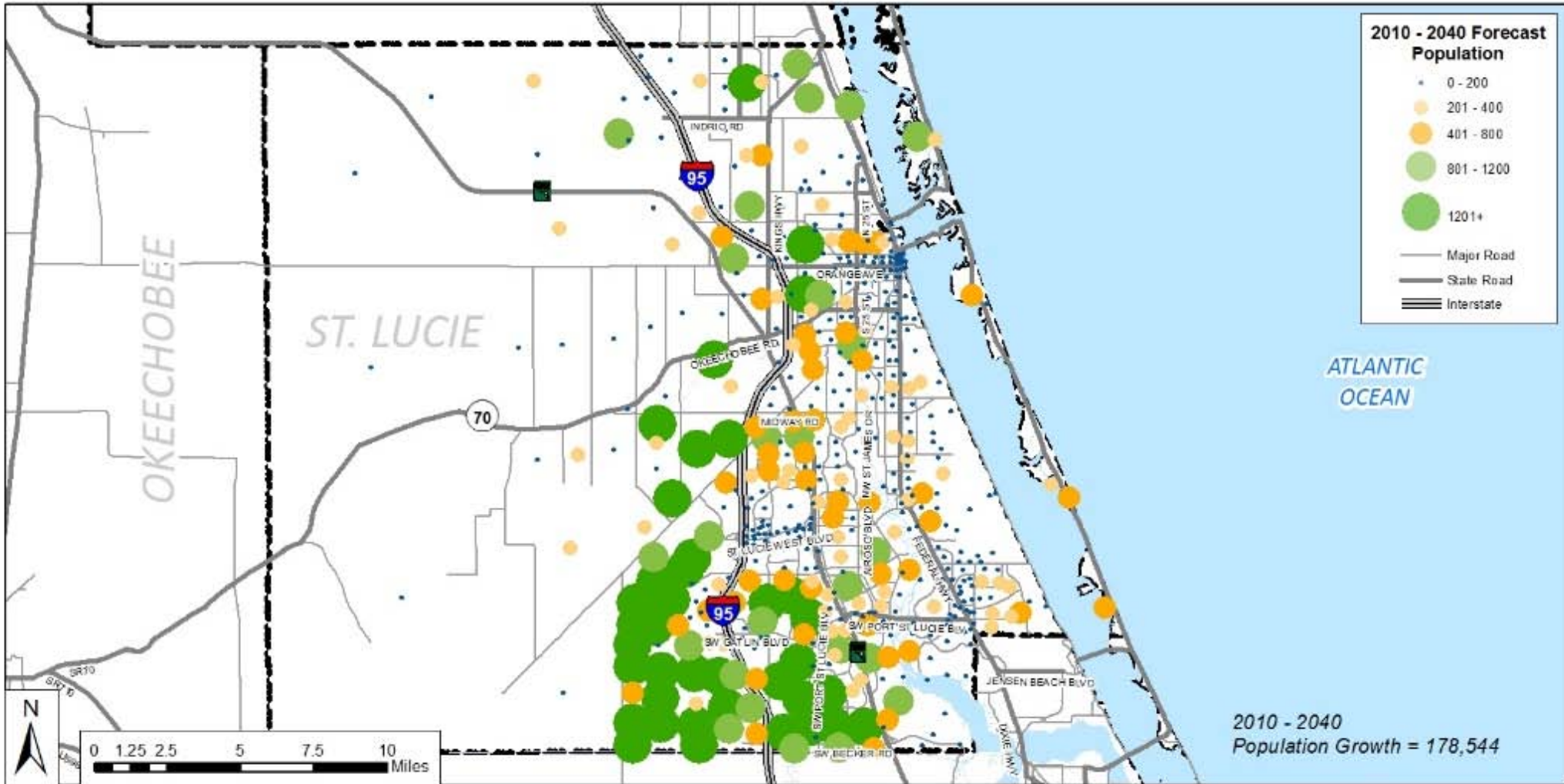
depicted in the attached maps that identify the projected amounts and locations of the population and employment growth by 2040 within the St. Lucie TPO area.

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.

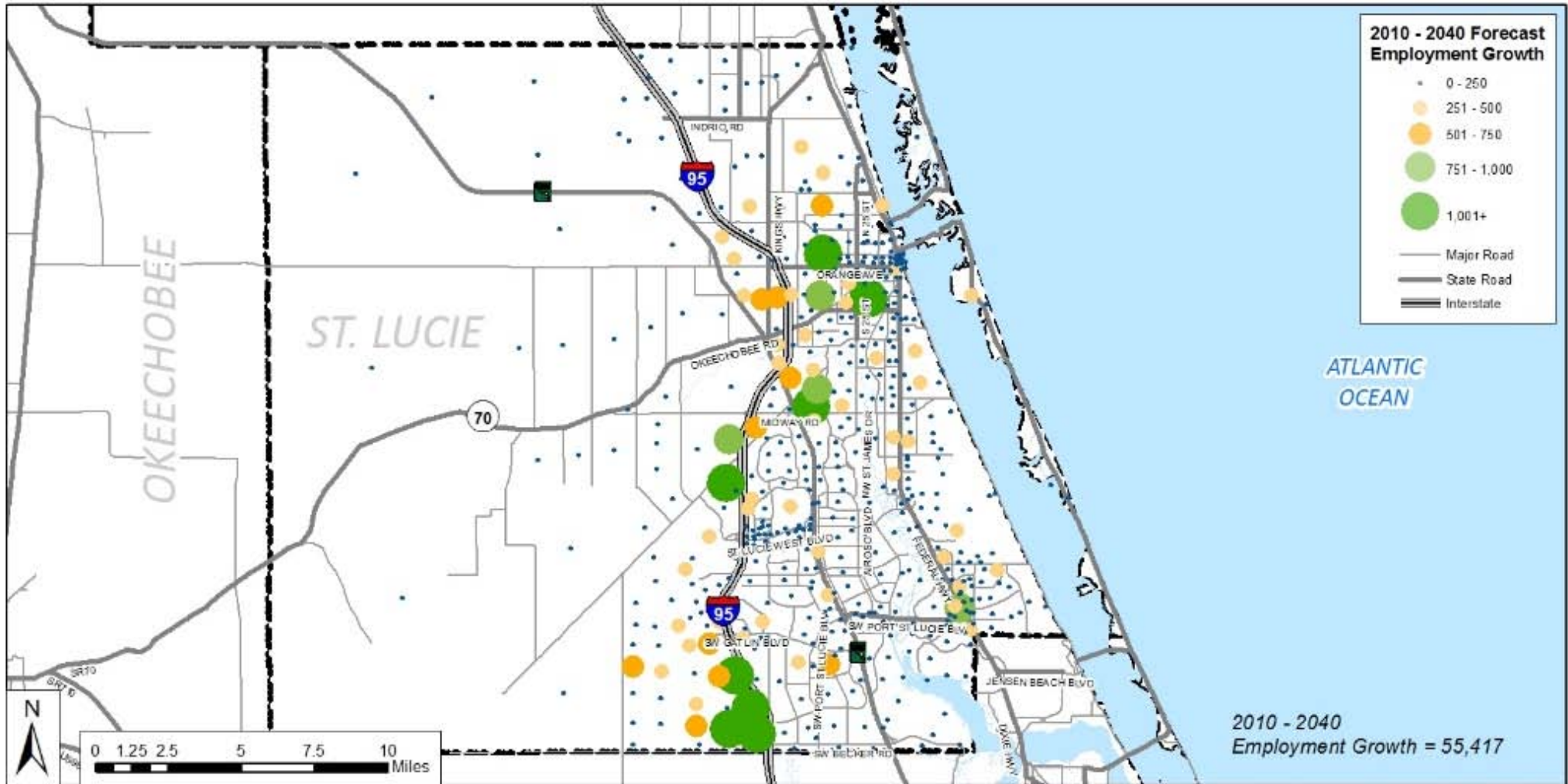
RECOMMENDATION

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



St Lucie County Employment Growth



AGENDA ITEM SUMMARY

Board/Committee:	Bicycle-Pedestrian Advisory Committee (BPAC)
Meeting Date:	January 15, 2015
Item Number:	7a
Item Title:	Pedestrian Facility Inventory Program Update
Item Origination:	Unified Planning Work Program (UPWP)
UPWP Reference:	Task 3.5 – Bicycle/Pedestrian/Greenway Planning
Requested Action:	Discuss and provide comments to staff.
Staff Recommendation:	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: Bicycle-Pedestrian Advisory Committee (BPAC)

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

THRU: Peter Buchwald
Executive Director

DATE: January 8, 2015

SUBJECT: Pedestrian Facility Inventory Program Update

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:

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/>

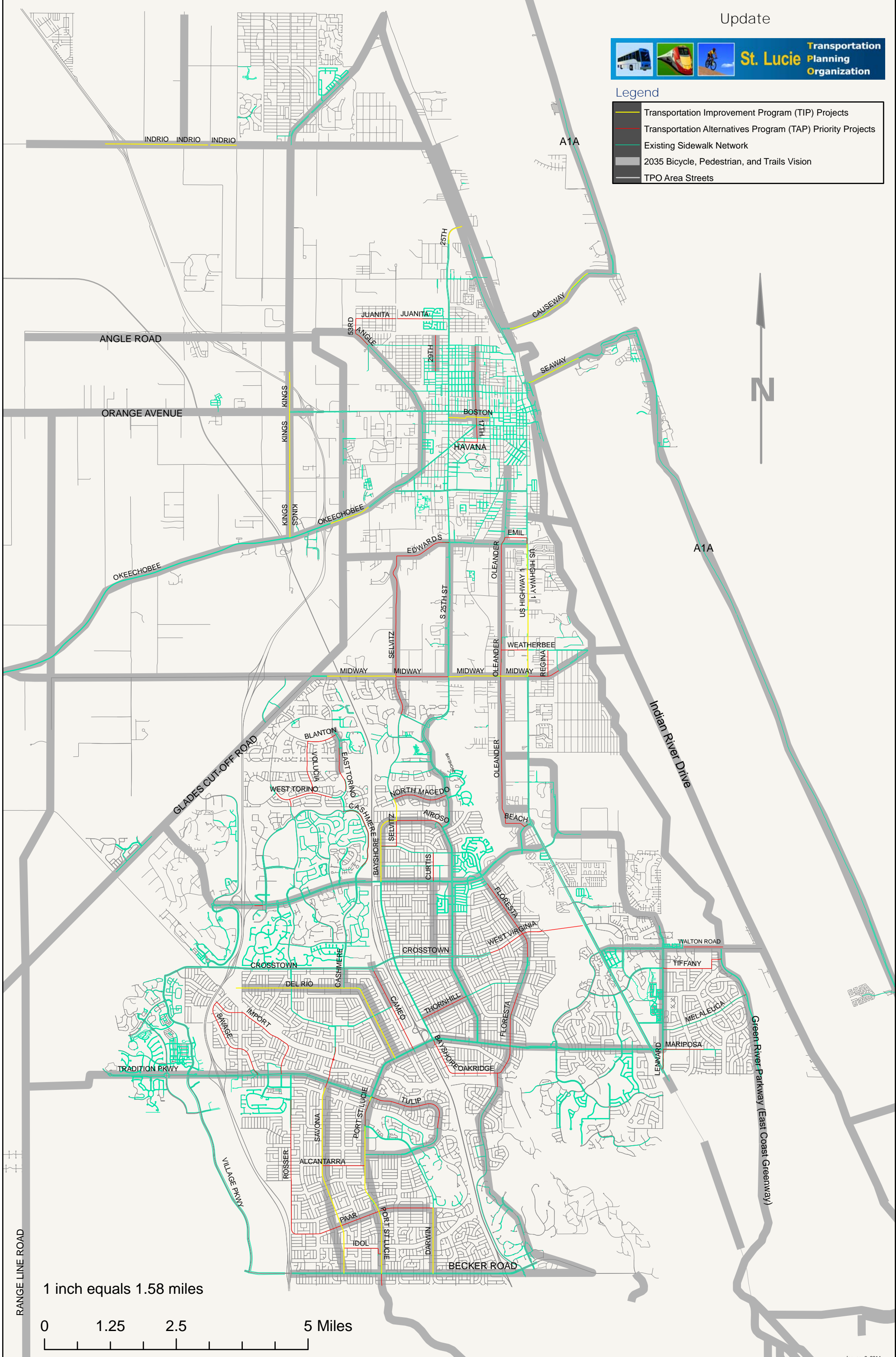
RECOMMENDATION

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

