



BICYCLE-PEDESTRIAN ADVISORY COMMITTEE (BPAC)

Regular Meeting

Thursday, July 23, 2015
3:00 pm

AGENDA

- 1. Call to Order**
- 2. Roll Call**
- 3. Approval of Minutes**
 - *May 21, 2015 Regular Meeting*
- 4. Comments from the Public**
- 5. Approval of Agenda**
- 6. Action Items**
 - 6a. 2015/16 List of Priority Projects (LOPP):** Review of the draft LOPP for 2015/16 for the St. Lucie TPO.

***Action:** Recommend adoption of the draft 2015/16 LOPP, recommend adoption with conditions, or do not recommend adoption.*
 - 6b. Go2040 Long Range Transportation Plan (LRTP) Needs Plan:** Review of the draft Needs Plan for the Go2040 LRTP.

***Action:** Recommend adoption of the draft Needs Plan, recommend adoption with conditions, or do not recommend adoption.*
 - 6c. Annual Public Involvement Program (PIP) Evaluation of Effectiveness and Update:** Review of the effectiveness of the St. Lucie TPO's PIP during FY 2014/15.

***Action:** Recommend acceptance of the PIP Evaluation of Effectiveness and Update, recommend acceptance with conditions, or do not recommend acceptance.*

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

9. Next Meeting: The next St. Lucie TPO BPAC meeting is a joint meeting with the St. Lucie TPO Citizens Advisory Committee (CAC) and the Technical Advisory Committee (TAC) scheduled for 1:30 pm on Tuesday, September 15, 2015.

10. 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 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)**

Regular Meeting

DATE: Thursday, May 21, 2015

TIME: 3:00 pm

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

MINUTES

1. Call to Order

Brad Keen, Chairman, called the May 21, 2015 meeting of the St. Lucie TPO Bicycle-Pedestrian Advisory Committee (BPAC) to order at 3:01 pm.

2. Roll Call

Self-introductions were made. A quorum was noted with eight members present.

Members present:

Brad Keen, Chair
Jennifer Evans, Vice Chair
Murriah Dekle
Rebecca Grohall
Jennifer Fierman
Nick Dibenedetto
Don McLam
Lisa Fasnacht

Representing:

Port St. Lucie Parks & Rec
St. Lucie County Env Resources
Resident – Bicycling
Fort Pierce Public Works
FDOT
Resident – Running/Hiking
St. Lucie County Parks & Rec
Resident - Bicycling

Others present:

Ed DeFini
Marceia Lathou

Representing:

St. Lucie TPO
St. Lucie TPO

Yi Ding
Charles Barrowclough

St. Lucie TPO
SLC Env Resources Alternate

3. **Approval of the Minutes – March 12, 2015**

* **MOTION – MOVED** by Ms. Evans to approve the BPAC meeting minutes of March 12, 2015.

** **SECONDED** by Ms. Grohall Carried **UNANIMOUSLY**

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

5. **Approval of Agenda**

Ms. Grohall mentioned that the TAC had deferred action on all but the first two items on the agenda, the TIP amendments, and had scheduled another meeting to consider the remainder of the items. Responding to a question from Mr. McLam, Mr. Keen clarified that a motion was requested for the approval of the agenda as a whole, not for specific items on the agenda.

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

** **SECONDED** by Mr. Dibenedetto Carried **UNANIMOUSLY**

6. **Action Items**

6a. **Amendment to the FY 2014/15 – FY 2018/19 Transportation Improvement Program (TIP)**

Mr. DeFini explained that the FY 2014/15 – FY 2018/19 TIP includes the construction of a truck turnaround on the Turnpike. The construction of the project was programmed in the Turnpike Work Program prior to the design being completed. A subsequent evaluation of the project determined that the proposed location for the project did not meet certain design criteria. Therefore, the project is not feasible, and the Turnpike is requesting its deletion from the TIP.

Mr. McLam asked if the unused funding for the truck turnaround could be transferred to another project in St. Lucie County. Mr. DeFini said he was not aware that it could but he would check.

* **MOTION – MOVED** by Ms. Grohall to approve the TIP amendment.

** **SECONDED** by Ms. Evans Carried **UNANIMOUSLY**

6b. Amendment to the FY 2014/15 – FY 2018/19 TIP

Mr. DeFini stated that the FY 2014/15 – FY 2018/19 TIP includes the right-of-way acquisition phase for the Indrio Road project. FDOT is now recommending that the construction of the project be advanced to **FY 2015/16** in the Tentative Work Program and be included in the new TIP to be considered by the BPAC in the next agenda item. FDOT is requesting that the construction phase also be added to the old TIP so that it may be started without delay in the next fiscal year starting July 1, 2015. The project is included in the 2035 RL RTP cost feasible plan.

Questions arose regarding further details on the project. Mr. DeFini said he would get back to the BPAC on the question of whether sidewalks and bike lanes are planned for the project.

* **MOTION – MOVED** by Mr. McLam to approve the TIP amendment.

** **SECONDED** by Mr. Barrowclough Carried **UNANIMOUSLY**

Ms. Grohall left the meeting but a quorum was retained.

6c. Draft FY 2015/16 – FY 2019/20 Transportation Improvement Program (TIP)

Mr. DeFini described the purpose of the TIP and the process involved in developing the TIP. He provided details regarding projects in each of the five years of the TIP. These projects included road improvements to Indrio Road, Kings Highway, and Midway Road as well as several sidewalk and resurfacing projects and the reconstruction of the North Causeway Bridge. Through all five years, the TIP is fiscally constrained meaning the project costs equal the projected funding.

Mr. McLam initiated a discussion regarding the Kings Highway/Indrio Road intersection project and the acquisition for construction of turn lanes at the same intersection described on pages C1-9 and C1-10. He could not understand why the intersection construction would occur prior to the acquisition of ROW for the turn lanes. Wouldn't construction-related disruptions occur more often than necessary? Ms. Fierman noted that sometimes there are engineering issues that require a specific order of project phasing. She said she would contact the FDOT project manager and report back to the BPAC through Mr. DeFini.

Ms. Evans noted that All Aboard Florida (AAF) is proposing railroad safety projects and wondered if AAF could fund the railroad crossing projects described in the TIP.

Ms. Evans asked if the Airport project described on page C2-12 had anything to do with mitigation.

Mr. Keen requested information as to why the TAC deferred action on this and other items. It was explained that the TAC requested more time to review the agenda packet because they felt it was not received in sufficient time for a thorough review.

Responding to questions regarding timing, Mr. DeFini explained that the TPO Board is scheduled to consider the TIP at its June 3, 2015 meeting

* **MOTION – MOVED by** Mr. McLam to approve the TIP on the condition that questions which arose regarding the Kings Highway/Indrio Road projects, railroad safety improvements, and Airport project mitigation would be answered and those answers would be distributed to all BPAC members.

** **SECONDED by** Ms. Evans **Carried UNANIMOUSLY**

Ms. Fasnacht asked how a draft document could be approved when the above-mentioned questions were unanswered. Mr. Keen clarified that the BPAC is making a recommendation to the TPO Board which is the approving entity. Mr. DeFini noted that the BPAC comments and those of the other advisory committees would be incorporated into the draft TIP that will be transmitted to the TPO Board.

6d. Go2040 Long Range Transportation Plan (LRTP) Goals, Objectives, and Performance Measures (GOPMs)

Mr. Ding stated that the development of the Go2040 Long Range Transportation Plan includes the establishment of goals, objectives, and performance measures. He reviewed the list of goals, objectives, and performance measures that had been developed by TPO staff and the LRTP consultants with input from the public.

Several BPAC members expressed concern that the performance measures needed to be further refined and that the methodology for evaluating performance was unclear. What is the baseline and the target goal?

Mr. Barrowclough provided an example using the "miles of sidewalk" performance measure. What is the definition of sidewalk? Would a four-foot sidewalk suffice where an eight-foot sidewalk is needed? If so, that should not be considered an improvement.

Mr. Ding noted the performance measures would be evaluated annually.

Ms. Dekle stated the information provided was an excellent start but requested that more detailed performance measures be brought back to BPAC.

- * **MOTION – MOVED by** Ms. Dekle to approve the GOPMs on the condition that details such as implementation strategies, methodologies, baseline conditions, and key definitions be brought back to the BPAC at its next meeting.

** **SECONDED by** Ms. Evans **Carried UNANIMOUSLY**

6e. Transportation Regional Incentive Program (TRIP) Grant Applications for 2015:

Mr. DeFinì explained the purpose of TRIP funds and the creation of the Treasure Coast Transportation Council (TCTC). FDOT has indicated that TRIP funding is available over the next four years.

Two project applications are being considered for submittal by the TPO. The first application is for the FY 16/17 funding for the acquisition of right-of-way for the widening of Port St. Lucie Boulevard from Paar Drive to Darwin Boulevard. The second application is for the subsequent fiscal years of TRIP funding for the construction of Phase 1 of the St. Lucie Advanced Transportation Management System (ATMS). The TPO would supply local match for both projects. Both projects are TPO Priority Projects and are included on the Regionally Ranked Needs Project List.

Mr. Dibenedetto initiated a discussion regarding this project and projects in general that are approved with complete street infrastructure such as bicycle lanes and sidewalks but this infrastructure is changed during the design phase without the public being made aware of the changes. If there is no reporting back to the BPAC, then how do we hold project managers accountable?

Ms. Fierman and Mr. DeFinì emphasized the need to stay involved in every project meeting in all phases of a project.

Ms. Fierman noted FDOT's commitment to constructing complete streets; however, when local governments sponsor projects sometimes political decisions result in changes to project details.

* **MOTION – MOVED by** Mr. Barrowclough to approve the TRIP applications.

** **SECONDED by** Mr. Dibenedetto **Carried UNANIMOUSLY**

7. Recommendations/Comments by Members

Ms. Evans noted that County Administrator Tipton had been approached by Herb Hiller and Dan Burden who were willing to provide a presentation on walkable communities. Ms. Dekle noted that Mr. Burden is a nationally recognized expert on the subject. It was decided that perhaps a special workshop would be appropriate and that elected officials should be invited. Ms. Evans will coordinate this with TPO staff.

Mr. Keen thanked the BPAC for its participation and noted that the discussion today was healthy and informative.

8. Staff Comments

Mr. DeFini also thanked the BPAC for its participation.

9. Next Meeting - The next St. Lucie TPO BPAC meeting is scheduled for 3:00 pm on Thursday, July 23, 2015.

10. ADJOURN - The meeting was adjourned at 4:30 p.m.

Respectfully Submitted:

Approved by:

Marceia Lathou
Transit Program Manager

Brad Keen
Chairman

AGENDA ITEM SUMMARY

Board/Committee:	Bicycle-Pedestrian Advisory Committee (BPAC)
Meeting Date:	July 23, 2015
Item Number:	6a
Item Title:	2015/16 List of Priority Projects (LOPP)
Item Origination:	For development of the St. Lucie TPO's Transportation Improvement Program (TIP) for FY 2016/17 – FY 2020/21 and the Florida Department of Transportation Work Program
UPWP Reference:	Task 3.3 – TIP
Requested Action:	Recommend adoption of the draft 2015/16 LOPP, recommend adoption with conditions, or do not recommend adoption
Staff Recommendation:	It is recommended that the draft 2015/16 LOPP be reviewed and recommended for adoption by the TPO Board.

Attachments

- Staff Report
- Draft 2015/16 LOPP
- 2014/15 LOPP



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Port St. Lucie, FL 34953
772-462-1593 www.stlucietpo.org

MEMORANDUM

TO: Bicycle-Pedestrian Advisory Committee (BPAC)

FROM: Peter Buchwald
Executive Director

DATE: July 15, 2015

SUBJECT: **2015/16 List of Priority Projects (LOPP)**

BACKGROUND

As part of the annual development of the St. Lucie TPO's Transportation Improvement Program (TIP), the LOPP is developed for submittal to the Florida Department of Transportation District 4 (FDOT) by October 1st of each year. The projects identified in the LOPP subsequently are funded and included in the FDOT Work Program to the maximum extent feasible. The St. Lucie TPO's TIP for FY 2016/17 – FY 2020/21 then will be developed based on the LOPP and the FDOT Work Program. An Informal Priority Projects Meeting was conducted with FDOT and local agency staffs on June 30th to initiate the annual TIP development process.

ANALYSIS

The draft 2015/16 LOPP is attached which incorporates comments received during the Informal Priority Projects Meeting. Significant changes from the 2014/15 LOPP, also attached, include the removal of the Indrio Road Project and the I-95/Gatlin Boulevard Jobs Express Terminal Project from the Master LOPP because they are funded for construction. In place of these projects, the next section of the Kings Highway Project from the I-95 Overpass to St. Lucie Boulevard was added to the Master LOPP from the 2021-2025 interval of the 2035 St. Lucie-Martin Long Range Transportation Plan. In addition, the status and estimated costs of the projects on the Master LOPP were updated as necessary.

The only change to the Congestion Management Process (CMP) LOPP is the deletion of the U.S. Highway 1 at Old Dixie Highway median project at the

direction of the TPO Board at the December 2014 meeting. The Transit LOPP was revised based on comments from Community Transit. These revisions include the removal of several projects to reflect the upcoming implementation of expanded hours of service and the new Lakewood Park route, the removal of the Tradition Transit Hub because of the funded I-95/Gatlin Boulevard Jobs Express Terminal, and the removal of the Passenger Rail Station Project in downtown Fort Pierce due to the public opposition to the proposed All Aboard Florida passenger rail project. Revisions to the Transportation Alternatives (TA) LOPP consist of revisions to reflect the results of the 2015 TA grant cycle and to update the estimated costs of several of the projects.

RECOMMENDATION

It is recommended that the draft 2015/16 LOPP be reviewed and recommended for adoption by the TPO Board.



2015/16 List of Priority Projects (LOPP)

(draft July 15, 2015)

Master List

2015/16 Priority Ranking	Major Gateway Corridor? ¹	Facility	Project Limits		Project Description	Project Status/Notes	In RL RTP ² Cost Feasible Plan?	Estimated Cost	2014/15 Priority Ranking
			From	To					
1	Yes	Port St. Lucie Boulevard	Paar Drive	Darwin Boulevard	Add 2 lanes	PE ³ in process	Yes	\$11,700,000 ⁴	2
2	Yes	Midway Road	Glades Cut Off Road	Selvitz Road	Add 2 lanes	PD&E ⁵ in process	Yes	\$19,000,000 ⁶	3
3	N/A ⁷	U.S. Highway 1 Intersection	At Virginia Avenue		Construct SB right-turn lane	PE to start in FY 2016/17	Yes	\$1,537,000 ⁸	4
4	N/A	St. Lucie TPO Advanced Transportation Management System (ATMS) Phase I	U.S. Highway 1		Fiber optic infrastructure, cameras, poles, and data collection devices to connect 56 intersections	PE in process	Yes	\$3,300,000 ⁹	5
			Turnpike Feeder Road	Savanna Club Boulevard					
			Okeechobee Road (SR-70)						
			Kings Highway	U.S. Highway 1					
5	Yes	Port St. Lucie Boulevard	Becker Road	Paar Drive	Add 2 lanes		Yes	\$9,600,000 ⁴	6
6	Yes	Kings Highway	I-95 Overpass	St. Lucie Boulevard	Add 2 lanes		Yes	\$29,520,000 ¹⁰	N/R ¹¹

¹Landscape funding eligibility for capacity projects based on 2012 FDOT Landscape Policy

²RL RTP: *2035 St. Lucie/Martin Regional Long Range Transportation Plan, February 2011*

³PE: Preliminary Engineering

⁴Source: *Port St. Lucie Boulevard, Becker Road to Darwin Boulevard Project Development & Environment Study, September 2014*

⁵PD&E: Project Development & Environment Study

⁶Source: *2035 St. Lucie/Martin Regional Long Range Transportation Plan, February 2011*

⁷N/A: Not Applicable

⁸Source: *St. Lucie TPO Transportation Improvement Program FY 2015/16 – FY 2019/20*

⁹Source: *Advanced Transportation Management System (ATMS) Master Plan for St. Lucie County, February 2013*

¹⁰Source: *Kings Highway Project Development & Environment Study, July 2012*

¹¹N/R: Not Ranked

Congestion Management Process (CMP) List

(The St. Lucie TPO's allocation of urban-attributable Federal funds to CMP projects is \$300,000 - \$400,000 annually)

2015/16 Priority Ranking	Facility/Intersection	Project Description	Project Status/Notes	Estimated Cost ¹	CMP Plan ² Ranking	2014/15 Priority Ranking
1	California Boulevard at University Boulevard	Construct a roundabout		\$350,000	1	1
2	California Boulevard at Del Rio Boulevard	Construct a roundabout		\$350,000	2	2
3	St. Lucie West Boulevard at Peacock Boulevard	Extend the southbound innermost left-turn lane and incorporate signal timing adjustments		\$100,000	3	3
4	Port St. Lucie Boulevard at Floresta Boulevard	Extend westbound right-turn lane		\$350,000	4	4

¹Source of Estimated Cost: CMP Plan, unless otherwise noted

²CMP Plan: *St. Lucie Transportation Planning Organization Congestion Management Process Revised Implementation Plan, 2015*

Transit

2015/16 Priority Ranking	Facility/Equipment/Service	Project Location/Description	Is funding for Capital or Operating?	In RLRTP ¹ or TDP ² ?	Estimated Cost ³	2014/15 Priority Ranking
1	Vehicle Purchases	New/replacement buses for new and expanded services as specified in TDP	Capital	Yes	\$2,000,000	1
2	Bus Stop and Park and Ride Infrastructure	Miscellaneous locations along the fixed routes with priority at transfer locations	Capital	Yes	\$75,000 (for bus shelters)	7
3	Expanded Local Services	Routes 1, 2 & 3 – Improve frequency to 30 minutes	Operating	Yes	\$1,000,000	4
4	New Bus Services	New bus service via intermodal facility along 25th Street	Operating	Yes	\$500,000	N/R ⁴
5	I-95 Express Regional Bus Service	To Palm Beach County	Operating	Yes	\$500,000	6
6	St. Lucie Transit Administration and Operations Facility	Centralized facility for transit operations and bus maintenance	Capital	Yes	\$9,800,000	8

¹RLRTP: *2035 St. Lucie/Martin Regional Long Range Transportation Plan, February 2011*

²TDP: *St. Lucie County FY 2015-FY 2024 Transit Development Plan Major Update, June 2014*

³Source of Estimated Cost: Tables 9-1, 9-3, 9-9, and 9-10 of TDP, unless otherwise noted

⁴N/R: Not Ranked

Transportation Alternatives (TA) Projects

2015/16 Priority Ranking	Score ¹	Facility	Project Limits		Project Description	Project Source	Estimated Cost ²	2014/15 Priority Ranking
			From	To				
1	40.0	Parr Drive	Port St. Lucie Boulevard	Darwin Boulevard	Sidewalk-1.0 miles	2015 TA Grant Application ³	\$569,984	8
2	34.0	Oleander Avenue	Midway Road	Market Avenue	Sidewalk-1.3 miles	2015 TA Grant Application ⁴	\$917,653	16
3	46.5	Walton Road	Lennard Road	Green River Parkway	Sidewalk-1.1 miles	St. Lucie County School District	\$483,000	2
4	43.5	17th Street Sidewalk Gaps	Georgia Avenue	Avenue Q	Sidewalk-1.7 miles	2010/11 LOPP	\$170,000 ⁵	3
5	43.0	East Torino Parkway	Volucia Drive	Conus Street	Sidewalk-0.4 miles	St. Lucie County School District	\$168,000	4
6	42.0	East Torino Parkway	Peacock Apartments	C-106 Canal	Sidewalk-0.3 miles	2013 TA Grant Application	\$207,730	5
7	41.5	North Macedo Boulevard	Selvitz Road	St. James Drive	Sidewalk-1.0 miles	Port St. Lucie Sidewalk List	\$525,220	6
7	41.5	Selvitz Road	Milner Drive	Peachtree Boulevard	Sidewalk-0.8 miles	2010/11 LOPP	\$337,920 ⁶	6
9	38.5	Thornhill Drive	Bayshore Boulevard	Airosa Boulevard	Sidewalk-1.0 miles	Port St. Lucie Sidewalk List	\$594,820	9
10	36.5	Parr Drive	Savona Boulevard	Port St. Lucie Boulevard	Sidewalk-0.8 miles	Port St. Lucie Sidewalk List	\$344,050	10
10	36.5	29th Street Sidewalk Gaps	Avenue I	Avenue Q	Sidewalk-0.5 miles	2010/11 LOPP	\$50,000 ⁵	10
10	36.5	Boston Avenue	25th Street	13th Street	Sidewalk-0.8 miles	2010/11 LOPP	\$80,000 ⁵	10
13	36	Floresta Drive	Port St. Lucie Boulevard	Streamlet Avenue	Sidewalk-1.0 mile	Port St. Lucie Sidewalk List #7	\$759,730	13
14	35.5	Curtis Street	Prima Vista Boulevard	Floresta Drive	Sidewalk-0.5 miles	Port St. Lucie Sidewalk List	\$461,620	14
15	34.5	Weatherbee Road	U.S. Highway 1	Oleander Avenue	Sidewalk-0.5 miles	St. Lucie County School District	\$226,000	15
16	34.0	Oleander Avenue	Midway Road	Saeger Avenue	Sidewalk-1.5 miles	St. Lucie County School District	\$672,000	16
16	34.0	Volucia Drive	Blanton Boulevard	Torino Parkway	Sidewalk-1.0 miles	St. Lucie County School District	\$441,840	16
18	32.5	29th Street	Avenue Q	Avenue T	Sidewalk-0.1 miles	2010/11 LOPP	\$10,000 ⁵	19
19	31.5	Alcantarra Boulevard	Port St. Lucie Boulevard	Savona Boulevard	Sidewalk-0.8 miles	St. Lucie County School District	\$357,000	20
20	29.5	Floresta Drive	Port St. Lucie Boulevard	Southbend Boulevard	Sidewalk-0.6 miles	Port St. Lucie Sidewalk List #8	\$489,821	21
21	28.5	Rosser Boulevard	Newport Isle	Bamberg Street	Sidewalk-2.1 miles	Port St. Lucie Sidewalk List #1	\$1,014,813	22
22	25.5	Import Drive	Gatlin Boulevard	Savage Boulevard	Sidewalk-2.0 miles	Port St. Lucie Sidewalk List #3	\$1,255,161	23

2015/16 Priority Ranking	Score ¹	Facility	Project Limits		Project Description	Project Source	Estimated Cost ²	2014/15 Priority Ranking
			From	To				
23	21.5	Paar Drive	Bamberg Street	Savona Boulevard	Sidewalk-0.8 miles	Port St. Lucie Sidewalk List #2	\$1,014,728	24
23	21.5	Southbend Boulevard	Oakridge Drive	Eagle Drive	Bridge and Sidewalk- 0.2 miles	Port St. Lucie Sidewalk List #13	\$1,526,084	24
25	20.5	Savage Boulevard	Import Drive	Gatlin Boulevard	Sidewalk-1.7 miles	Port St. Lucie Sidewalk List #4	\$1,293,199	26
25	20.5	Bayshore Boulevard	Mountwell Street	Port St. Lucie Boulevard	Sidewalk-0.8 miles	Port St. Lucie Sidewalk List #6	\$695,496	26
25	20.5	Emil Avenue	Oleander Avenue	U.S. Highway 1	Sidewalk-0.4 miles	2014 TA Grant Application	\$347,487	26
28	20.0	Traffic Signal Preemption Technology	Various	Various	50 Intersections 55 Fire/EMS vehicles	St. Lucie County Fire District	\$750,000	29
29	19.5	Oakridge Drive	Southbend Drive	Mountwell Street	Sidewalk-0.8 miles	Port St. Lucie Sidewalk List #5	\$736,575	30
29	19.5	Tiffany Avenue	Lennard Road	Grand Drive	Sidewalk-0.9 miles	Port St. Lucie Sidewalk List #9	\$365,843	30
29	19.5	Selvitz Road	Floresta Drive	Bayshore Boulevard	Sidewalk-0.5 miles	Port St. Lucie Sidewalk List #10	\$962,435	30
29	19.5	Cashmere Boulevard	Charter School	Westgate K-8 School	Sidewalk-1.0 miles	Port St. Lucie Sidewalk List #11	\$590,464	30
29	19.5	Idol Drive	Charter School	Savona Boulevard	Sidewalk-0.7 miles	Port St. Lucie Sidewalk List #12	\$483,037	30
34	17.0	Bicycle Facilities Improvement Program	Various	Various	Install various bicycle facilities	2011 TE Grant Application	\$401,353	35
35	5.0	West Cedar Pedestrian Mall	2nd Street	FEC Railroad	Streetscape improvements	2011 TE Grant Application	\$440,756	36

¹Scoring is based on the St. Lucie TPO TA Project Prioritization Methodology

²Source of Estimated Cost: Project Source, unless otherwise noted

³Construction funding is anticipated to be fully programmed in the upcoming FDOT Tentative Work Program as a result of the 2015 TA Grant Cycle

⁴Construction funding was partially awarded as a result of the 2015 TA Grant Cycle

⁵Estimated cost is based on an assumed cost of \$100,000 per mile

⁶Source: City of Port St. Lucie Engineering Department



2014/15 List of Priority Projects (LOPP)

(adopted September 3, 2014)

Master List

2014/15 Priority Ranking	Major Gateway Corridor? ³	Facility	Project Limits		Project Description	Project Status/Notes	In RL RTP ¹ Cost Feasible Plan?	Estimated Cost ²	2013/14 Priority Ranking
			From	To					
1	Yes (1)	Indrio Road (SR-614)	I-95	Emerson Avenue (SR-607)	Add 2 lanes	PE ⁴ and ROW ⁵ acquisition in process	Yes	\$19,300,000	2
2	Yes (2)	Port St. Lucie Boulevard	Paar Drive	Darwin Boulevard	Add 2 lanes	PE in process	Yes	\$22,200,000	3
3	Yes (3)	Midway Road	Glades Cut Off Road	Selvitz Road	Add 2 lanes	PD&E ⁶ in process	Yes	\$19,000,000	5
4	N/A ⁷	I-95/Gatlin Boulevard Jobs Express Terminal	Gatlin Boulevard near I-95		Express bus terminal and park-and-ride lot with 348 spaces	Subject of Ladders of Opportunity grant application	Yes	\$2,305,000 ⁸	6
5	N/A	U.S. Highway 1 Intersection	At Virginia Avenue		Construct SB right-turn lane		Yes	\$1,200,000 ⁹	7
6	N/A	St. Lucie TPO Advanced Transportation Management System (ATMS) Phase I	U.S. Highway 1		Fiber optic infrastructure, cameras, poles, and data collection devices to connect 56 intersections		Yes	\$3,700,000 ⁹	8
			Turnpike Feeder Road	Savanna Club Boulevard					
			Okeechobee Road (SR-70)						
			Kings Highway	U.S. Highway 1					
7	Yes (2)	Port St. Lucie Boulevard	Becker Road	Paar Drive	Add 2 lanes		Yes	\$18,000,000	NR ¹⁰

¹RLRTP: 2035 St. Lucie/Martin Regional Long Range Transportation Plan, February 2011

²Source of Estimated Cost: RL RTP, unless otherwise noted

³Landscape funding eligibility/priority (in parenthesis) for capacity projects based on applicable prioritization criteria from RL RTP Table 4-5 and 2012 FDOT Policy

⁴PE: Preliminary Engineering

⁵ROW: Right-of-Way

⁶PD&E: Project Development & Environment Study

⁷N/A: Not Applicable

⁸Source of Estimated Cost: Ladders of Opportunity grant application

⁹Source of Estimated Cost: Florida Department of Transportation District 4

¹⁰NR: Not Ranked

Congestion Management Process (CMP) List

2014/15 Priority Ranking	Facility/Intersection	Project Description	Project Status/Notes	Estimated Cost ²	CMP Plan ¹ Ranking	2013/14 Priority Ranking
1	California Boulevard at University Boulevard	Construct a roundabout		\$350,000	3	3
2	California Boulevard at Del Rio Boulevard	Construct a roundabout		\$350,000	4	4
3	St. Lucie West Boulevard at Peacock Boulevard	Extend the southbound innermost left-turn lane and incorporate signal timing adjustments		\$100,000	2	2
4	Port St. Lucie Boulevard at Foresta Boulevard	Extend westbound right-turn lane		\$250,000	5	5
5	U.S. Highway 1 at 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	6	6

¹CMP Plan: *St. Lucie Transportation Planning Organization Congestion Management Process Revised Implementation Plan, July 2013*

²Source of Estimated Cost: CMP Plan, unless otherwise noted

Revise the TPO's allocation of urban-attributable Federal funds to CMP projects from the fixed amount of \$300,000 to a range of \$300,000 - \$400,000.

Transit

2014/15 Priority Ranking	Facility/Equipment/Service	Project Location/Description	Is funding for Capital or Operating?	In RLRTP ¹ or TDP ² ?	Estimated Cost ³	2013/14 Priority Ranking
1	Vehicle Purchases	New/replacement buses for new and expanded services as specified in TDP	Capital	Yes	\$2,000,000	2
2	New Bus Services	New service via intermodal facilities to Lakewood Park/Indian River County, express service to Fort Pierce/Port St. Lucie, and Tradition circulator service	Operating	Yes	\$400,000	6
3	Existing Facility Improvements	Improvements to Fort Pierce Operations Facility and Port St. Lucie Intermodal Facility	Capital	Yes	\$200,000	NR ⁴
4	Expanded Local Services	Routes 1, 2 & 3 – Improve frequency to 30 minutes, expand service hours to 6 AM to 8 PM, and add Saturday service	Operating	Yes	\$1,800,000	5/7
5	Tradition Transit Hub	Intermodal station in Tradition area to support I-95 express bus service and Tradition circulator service	Capital	Yes	\$3,000,000 ⁵	NR
6	I-95 Express Regional Bus Service	To Palm Beach County	Operating	Yes	\$500,000	NR
7	Bus Stop and Park and Ride Infrastructure	Miscellaneous locations along the fixed routes with priority at transfer locations	Capital	Yes	\$75,000 (for bus shelters)	3
8	St. Lucie Transit Administration and Operations Facility	Centralized facility for transit operations and bus maintenance	Capital	Yes	\$9,800,000	8
9	Passenger Rail Station	Downtown Fort Pierce	Capital	Yes	\$4,000,000 ⁶	9

¹RLRTP: *2035 Martin-St. Lucie Regional Long Range Transportation Plan, February 2011*

²TDP: *St. Lucie County FY 2015-FY 2024 Transit Development Plan Major Update, June 2014*

³Source of Estimated Cost: Tables 9-1, 9-3, 9-9, and 9-10 of TDP, unless otherwise noted

⁴NR: Not Ranked

⁵Source of Estimated Cost: St. Lucie TPO, July 2014

⁶Source of Estimated Cost: City of Fort Pierce Planning Department, July 2010

Transportation Alternatives (TA) Projects

2014/15 Priority Ranking	Score ¹	Facility	Project Limits		Project Description	Project Source	Estimated Cost ²	2013/14 Priority Ranking
			From	To				
1	46.5	Tulip Boulevard ³	Cherry Hill Road	College Park Road	Sidewalk-3.3 miles	2014 TA Grant Application	\$940,343	3
2	46.5	Walton Road	Lennard Road	Green River Parkway	Sidewalk-1.1 miles	St. Lucie County School District	\$483,000	3
3	43.5	17th Street Sidewalk Gaps	Georgia Avenue	Avenue Q	Sidewalk-1.7 miles	2010/11 LOPP	\$170,000 ⁴	5
4	43.0	Torino Parkway	Volucia Drive	Conus Street	Sidewalk-0.4 miles	St. Lucie County School District	\$168,000	6
5	42.0	Torino Parkway	Peacock Apartments	C-106 Canal	Sidewalk-0.3 miles	2013 TA Grant Application	\$207,730	2
6	41.5	North Macedo Boulevard	Selvitz Road	St. James Drive	Sidewalk-1.0 miles	Port St. Lucie Sidewalk List	\$525,220	7
6	41.5	Selvitz Road	Milner Drive	Peachtree Boulevard	Sidewalk-0.8 miles	2010/11 LOPP	\$337,920 ⁵	7
8	40.0	Parr Drive	Port St. Lucie Boulevard	Darwin Boulevard	Sidewalk-1.0 miles	2014 TA Grant Application	\$648,058	9
9	38.5	Thornhill Drive	Bayshore Boulevard	Airosa Boulevard	Sidewalk-1.0 miles	Port St. Lucie Sidewalk List	\$594,820	10
10	36.5	Parr Drive	Savona Boulevard	Port St. Lucie Boulevard	Sidewalk-0.8 miles	Port St. Lucie Sidewalk List	\$344,050	11
10	36.5	29th Street Sidewalk Gaps	Avenue I	Avenue Q	Sidewalk-0.5 miles	2010/11 LOPP	\$50,000 ⁴	11
10	36.5	Boston Avenue	25th Street	13th Street	Sidewalk-0.8 miles	2010/11 LOPP	\$80,000 ⁴	11
13	36	Floresta Drive	Port St. Lucie Boulevard	Streamlet Avenue	Sidewalk-1.0 mile	Port St. Lucie Sidewalk List #7		14
14	35.5	Curtis Street	Prima Vista Boulevard	Floresta Drive	Sidewalk-0.5 miles	Port St. Lucie Sidewalk List	\$461,620	15
15	34.5	Weatherbee Road	U.S. Highway 1	Oleander Avenue	Sidewalk-0.5 miles	St. Lucie County School District	\$226,000	16
16	34.0	Oleander Avenue	Midway Road	Market Avenue	Sidewalk-1.3 miles	St. Lucie County School District	\$554,400	17
16	34.0	Oleander Avenue	Midway Road	Saeger Avenue	Sidewalk-1.5 miles	St. Lucie County School District	\$672,000	17
16	34.0	Volucia Drive	Blanton Boulevard	Torino Parkway	Sidewalk-1.0 miles	St. Lucie County School District	\$441,840	17
19	32.5	29th Street	Avenue Q	Avenue T	Sidewalk-0.1 miles	2010/11 LOPP	\$10,000 ⁴	20
20	31.5	Alcantarra Boulevard	Port St. Lucie Boulevard	Savona Boulevard	Sidewalk-0.8 miles	St. Lucie County School District	\$357,000	21
21	29.5	Floresta Drive	Port St. Lucie Boulevard	Southbend Boulevard	Sidewalk-0.6 miles	Port St. Lucie Sidewalk List #8		22
22	28.5	Rosser Boulevard	Newport Isle	Bamberg Street	Sidewalk-2.1 miles	Port St. Lucie Sidewalk List #1		23

2014/15 Priority Ranking	Score ¹	Facility	Project Limits		Project Description	Project Source	Estimated Cost ²	2013/14 Priority Ranking
			From	To				
23	25.5	Import Drive	Gatlin Boulevard	Savage Boulevard	Sidewalk-2.0 miles	Port St. Lucie Sidewalk List #3		24
24	21.5	Paar Drive	Bamberg Street	Savona Boulevard	Sidewalk-0.8 miles	Port St. Lucie Sidewalk List #2		25
24	21.5	Southbend Boulevard	Oakridge Drive	Eagle Drive	Bridge and Sidewalk- 0.2 miles	Port St. Lucie Sidewalk List #13		25
26	20.5	Savage Boulevard	Import Drive	Gatlin Boulevard	Sidewalk-1.7 miles	Port St. Lucie Sidewalk List #4		27
26	20.5	Bayshore Boulevard	Mountwell Street	Port St. Lucie Boulevard	Sidewalk-0.8 miles	Port St. Lucie Sidewalk List #6		27
26	20.5	Emil Avenue	Oleander Avenue	U.S. Highway 1	Sidewalk-0.4 miles	2014 TA Grant Application	\$347,487	27
29	20.0	Traffic Signal Preemption Technology	Various	Various	50 Intersections 55 Fire/EMS vehicles	St. Lucie County Fire District	\$750,000	30
30	19.5	Oakridge Drive	Southbend Drive	Mountwell Street	Sidewalk-0.8 miles	Port St. Lucie Sidewalk List #5		31
30	19.5	Tiffany Avenue	Lennard Road	Grand Drive	Sidewalk-0.9 miles	Port St. Lucie Sidewalk List #9		31
30	19.5	Selvitz Road	Floresta Drive	Bayshore Boulevard	Sidewalk-0.5 miles	Port St. Lucie Sidewalk List #10		31
30	19.5	Cashmere Boulevard	Charter School	Westgate K-8 School	Sidewalk-1.0 miles	Port St. Lucie Sidewalk List #11		31
30	19.5	Idol Drive	Charter School	Savona Boulevard	Sidewalk-0.7 miles	Port St. Lucie Sidewalk List #12		31
35	17.0	Bicycle Facilities Improvement Program	Various	Various	Install various bicycle facilities	2011 TE Grant Application	\$401,353	36
36	5.0	West Cedar Pedestrian Mall	2nd Street	FEC Railroad	Streetscape improvements	2011 TE Grant Application	\$440,756	37

¹Scoring is based on the St. Lucie TPO TA Project Prioritization Methodology

²Source of Estimated Cost: Project Source, unless otherwise noted

³Construction is anticipated to be programmed in the upcoming FDOT Tentative Work Program as a result of the 2014 TA Grant Cycle

⁴Estimated cost is based on an assumed cost of \$100,000 per mile

⁵Source: City of Port St. Lucie Engineering Department

AGENDA ITEM SUMMARY

Board/Committee:	Bicycle-Pedestrian Advisory Committee (BPAC)
Meeting Date:	July 23, 2015
Item Number:	6b
Item Title:	Go2040 Long Range Transportation Plan (LRTP) Needs Plan
Item Origination:	2040 LRTP Development Process
UPWP Reference:	Task 3.1 – Long Range Transportation Planning and MAP-21 Implementation
Requested Action:	Recommend adoption of the draft Needs Plan, recommend adoption with conditions, or do not recommend adoption.
Staff Recommendation:	Based on the draft Needs Plan addressing the roadway level of service deficiencies and sidewalk and bicycle infrastructure needs in the TPO area in 2040, it is recommended that the draft Needs Plan be recommended to the TPO Board for adoption.

Attachments

- Staff Report
- Map 0.2: 2040 SE Data on E+C Network Facility LOS
- Map 2.3: 2040 Needs Plan A2-2040 Roadway Improvements
- Map 2.2: 2040 Needs Plan A2-Facility LOS
- Map 3: TPO Area Bicycle and Pedestrian Facility Needs
- Map 4: Fort Pierce Area Bicycle and Pedestrian Facility Needs
- Map 5: Port St. Lucie Area Bicycle and Pedestrian Facility Needs
- Table 1: State and County Roadway Cost Per Centerline Mile
- Table 2: 2040 Needs Plan Segments and Costs
- Draft Go2040 LRTP Needs Plan Project Prioritization Criteria

MEMORANDUM

TO: Bicycle-Pedestrian Advisory Committee (BPAC)

FROM: Peter Buchwald
Executive Director

DATE: July 16, 2015

SUBJECT: Go2040 Long Range Transportation Plan (LRTP) Needs Plan

BACKGROUND

The development of the Go2040 LRTP includes the identification of multimodal needs for the St. Lucie TPO area and the corresponding development of a Needs Plan. The Needs Plan is based on the Go2040 socio-economic (SE) data which includes population and employment projections for the years 2040.

These projections were previously reviewed by the TPO Advisory Committees and accepted by the TPO Board. The draft Go2040 Needs Plan is being presented to the TPO Advisory Committees for review, comments, and recommendation for adoption before the development of the Go2040 Cost Feasible Plan is initiated.

ANALYSIS

The approved Go2040 SE data and the existing plus committed (E+C) network, which consists of those improvements in the TPO's recently-adopted five-year Transportation Improvement Program, were input into the newly-developed, activity-based, travel demand model known as the Greater Treasure Coast Regional Planning Model (GTCRPM) Version 4.0.

The model output then was used to project future roadway deficiencies of the E+C network in the year 2040. A level-of-service (LOS) analysis was completed on the model output, and a LOS map (attached Map 0.2) was produced which identifies those roadways of the E+C Network that will be

deficient in 2040. The roadways are considered to be deficient where the LOS is projected to be below level "D", which generally is the adopted LOS of the local jurisdictions. These deficient E+C roadways became the basis for the initial Needs Plan as those improvements, such as adding lanes, needed to improve the LOS to acceptable levels ("D" or above) were applied to the deficient E+C roadways as identified in the attached Map 2.3.

With these roadway improvements applied to the E+C network, the GTCRPM Version 4.0 was used again to determine if the roadway LOS deficiencies were resolved. A map (attached Map 2.2) was produced illustrating the LOS projections resulting from the roadway improvements that were applied. The results indicate that the draft 2040 Needs Plan roadway projects resolve the roadway deficiencies of the E+C network with the Levels of Service at or better than level "D".

Map 3, which is attached, was developed to identify TPO Area Bicycle and Pedestrian Facility Needs. Map 4 provides a larger scale to identify Fort Pierce Area Bicycle and Pedestrian Facility Needs, and Map 5 provides a larger scale to identify Port St. Lucie Area Bicycle and Pedestrian Facility Needs. The Bicycle and Pedestrian Facility Needs consist of projects from the TPO's Transportation Alternatives (TA) List of Priority Projects (LOPP) and other projects that fill in the gaps in the existing St. Lucie Walk-Bike Network and that support connectivity and access to transit services. The estimated cost of the sidewalk projects identified in the maps is \$35 million. These costs are being reviewed and will be adjusted if necessary.

Costs for the roadway projects in the draft Needs Plan were developed by reviewing State and local project cost data. Sources used included FDOT District 4's recently-updated Long Range Estimates (June 2015), FDOT Statewide cost averages, and local budgets and cost estimates for projects. The 2040 Revenue Forecast Handbook guidance was used to estimate product support cost for studies and design (estimated at 22 percent of construction cost), right-of-way cost (estimated at 50 percent of the construction cost), and construction engineering (estimated at 15 percent of construction cost). After reviewing other non-State project costs, it was determined that State costs should be used for all roadway project costing. The unit costs used to develop State and county roadway project costs are identified in Table 1, State and County Roadway Cost Per Centerline Mile.

The unit project cost information from Table 1 was used to create Table 2, 2040 Needs Plan Segments and Costs. The project costs include design (Product Support), right-of-way (ROW), construction, and construction engineering and inspection (CEI). If more refined project costs are available from a recent study, such as a corridor study or a Project Design and

Environmental Study, Table 2 will be updated to reflect the more refined project costs.

As part of the subsequent development of the Go2040 Cost Feasible Plan, the Needs Plan projects will be scored using the proposed Project Prioritization Criteria which is attached. The proposed Project Prioritization Criteria was developed to align project selection with the Vision, Goals, Objectives, and Performance Measures that previously were reviewed by the TPO Advisory Committees and adopted by the TPO Board. The Needs Plan projects then may be prioritized for funding in the Go2040 Cost Feasible Plan based on the project scores.

RECOMMENDATION

Based on the draft Needs Plan addressing the roadway level of service deficiencies and sidewalk and bicycle infrastructure needs in the TPO area in 2040, it is recommended that the draft Needs Plan be recommended to the TPO Board for adoption.

**St. Lucie TPO
2040 Long Range
Transportation Plan (LRTP)
Map 0.2
2040 SE Data on E+C Network
Facility LOS**

Legend

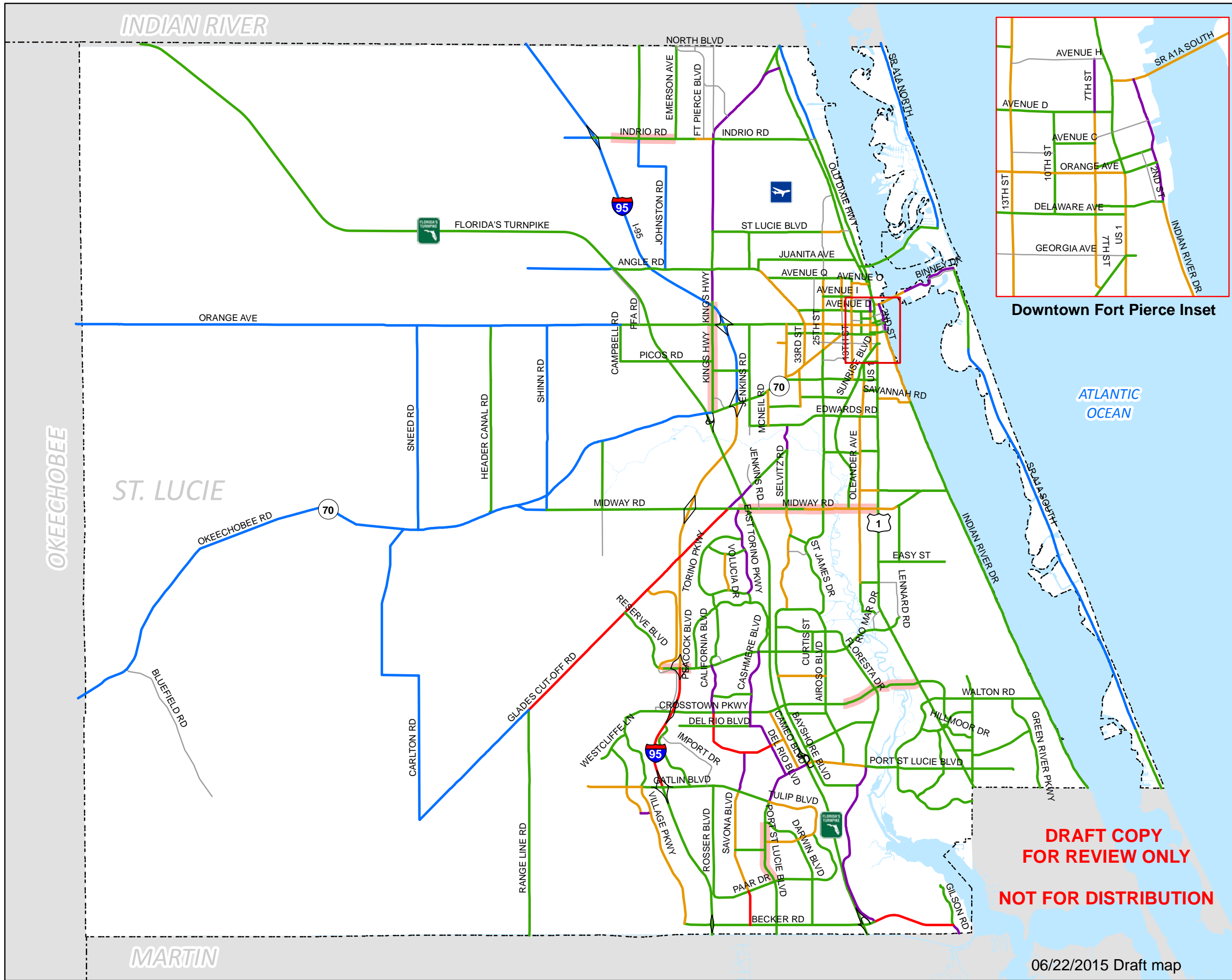
2040 E+C Facility LOS

- LOS B
- LOS C
- LOS D
- LOS E
- LOS F
- No Data
- Ramps
- 2015-2019 Improvement
- County Boundary

*Note: Road network is E+C.
Source: T.O. vTIMAS, (Network),
TBRPM 4.0 2040E+C, 6-20-15
(Raw Model Volumes)*



Downtown Fort Pierce Inset

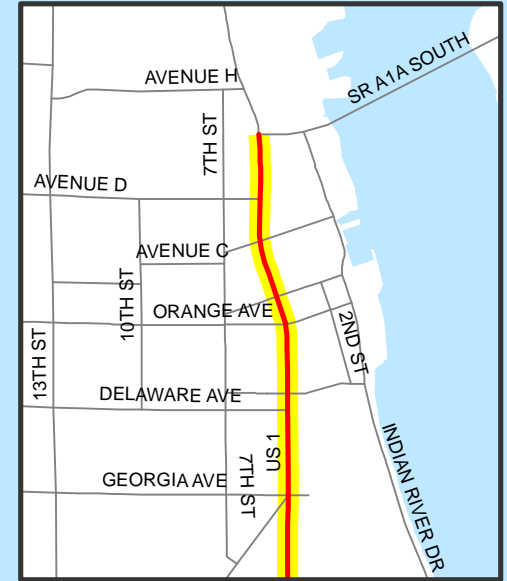
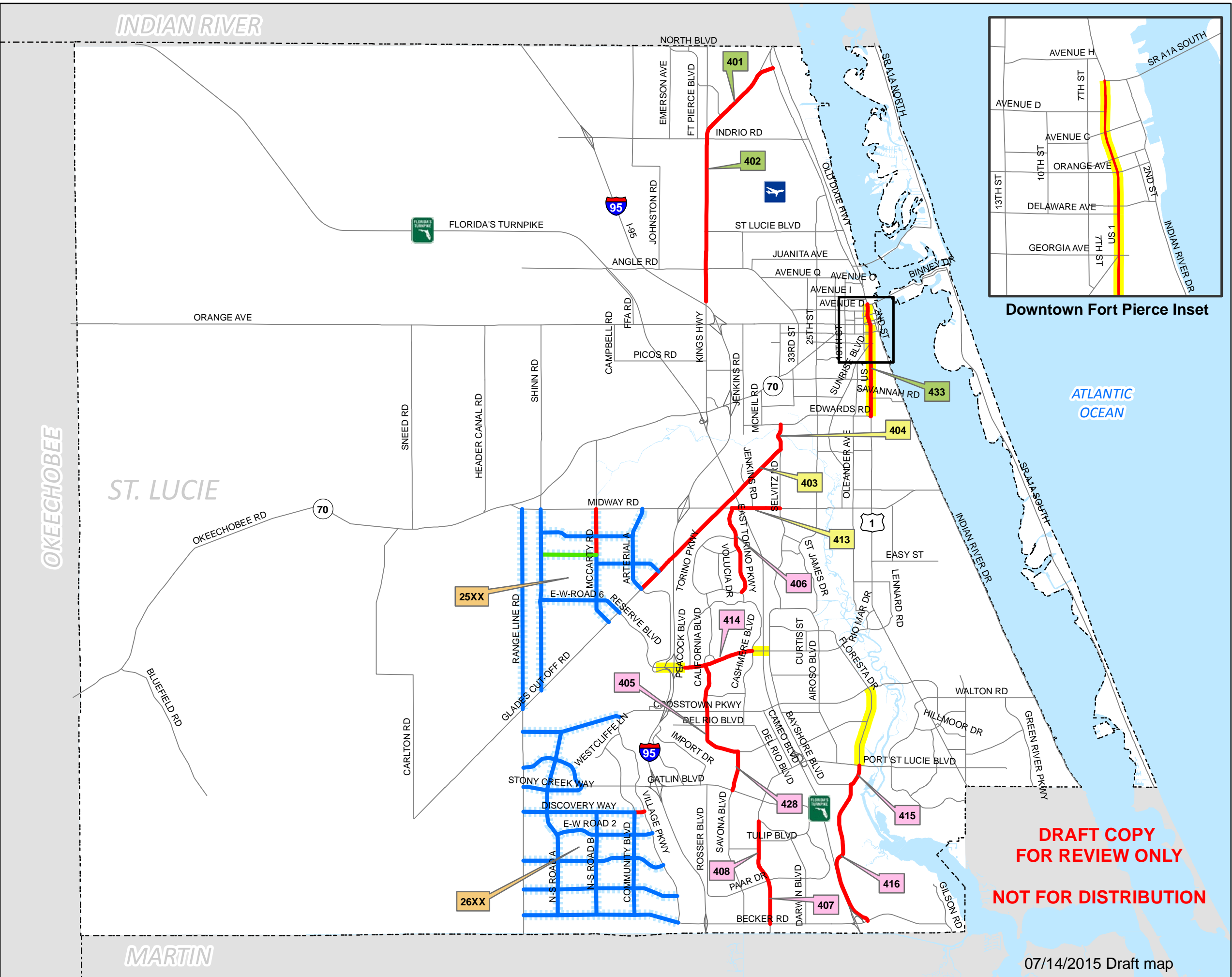


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06/22/2015 Draft map

Go2040
St. Lucie TPO
Long Range Transportation Plan

**St. Lucie TPO
2040 Long Range
Transportation Plan (LRTP)
Map 2.3
2040 Needs Plan A2
2040 Roadway Improvements**



Downtown Fort Pierce Inset

Legend

- Needs A2 Improvement**
- Add 2 Lanes
- New 2 Lane
- New 4 Lane
- Operational Improvements
- ▨ Developer Road
- Roadway Study Network
- Ramps
- County Boundary
- 401 State Project
- 403 County Project
- 406 City Project (PSL)
- 25XX Developer Project

*Note: Road network is E+C with additional improvements to 2040 Needs Plan A2 conditions.
Source: T.O. vTIMAS, (Network),*

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07/14/2015 Draft map

Go2040
St. Lucie TPO
Long Range Transportation Plan

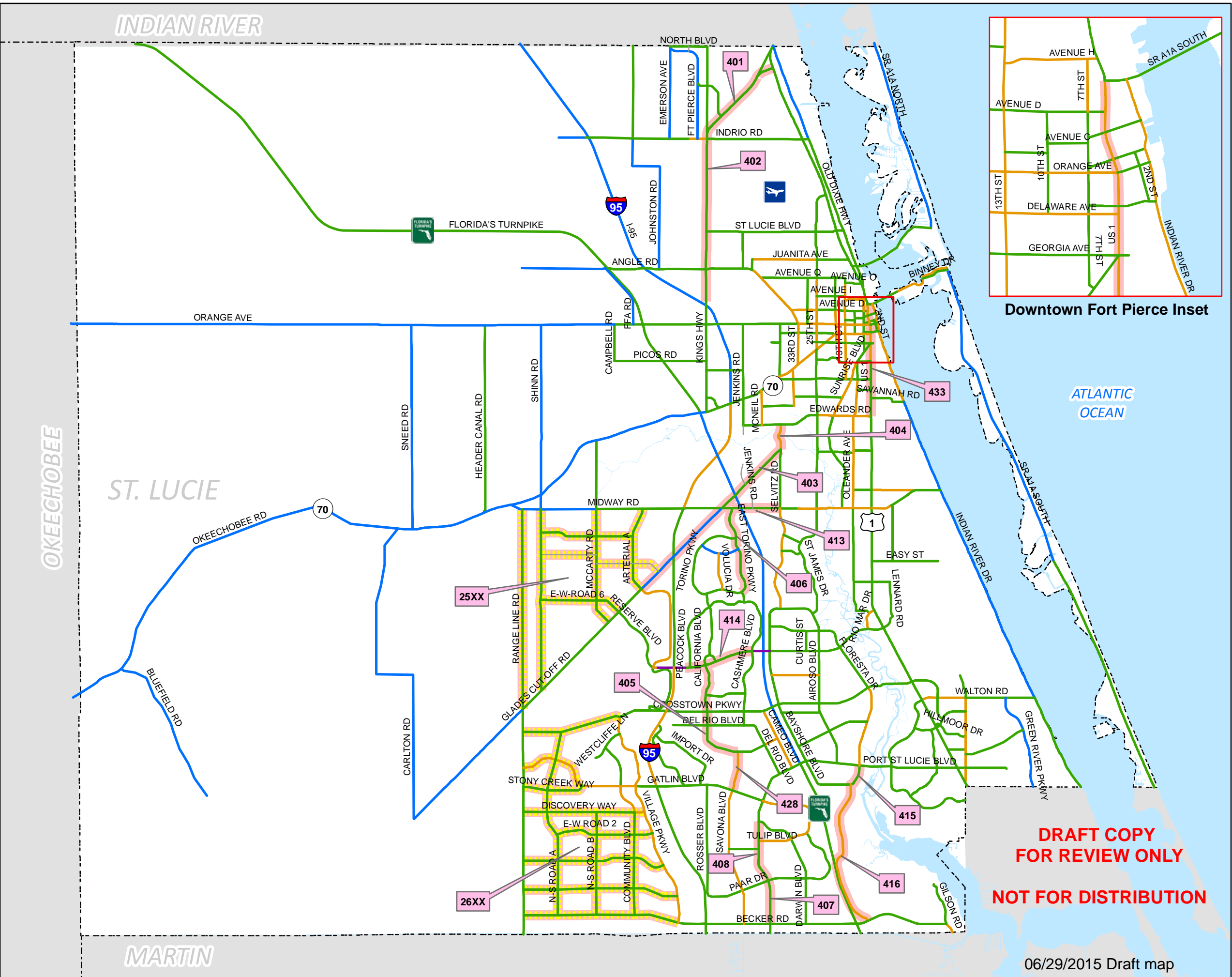
**St. Lucie TPO
2040 Long Range
Transportation Plan (LRTP)
Map 2.2
2040 Needs Plan A2
Facility LOS**

- Legend**
- 2040 Needs Plan A2 Facility LOS**
- No Data
 - LOS B
 - LOS C
 - LOS D
 - LOS E
 - LOS F
 - ▨ Developer Road
 - ▨ 2010-2040 Improvements
 - ▨ County Boundary

*Note: Road network is E+C with additional improvements to 2040 Needs Plan A2 conditions.
Source: T.O. vTIMAS, (Network),
TBRPM 4.0 Needs A2 (Smoothed Volumes)*



Downtown Fort Pierce Inset



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06/29/2015 Draft map

Go2040
St. Lucie TPO
Long Range Transportation Plan

MAP - 3 TPO AREA BICYCLE & PEDESTRIAN FACILITY NEEDS

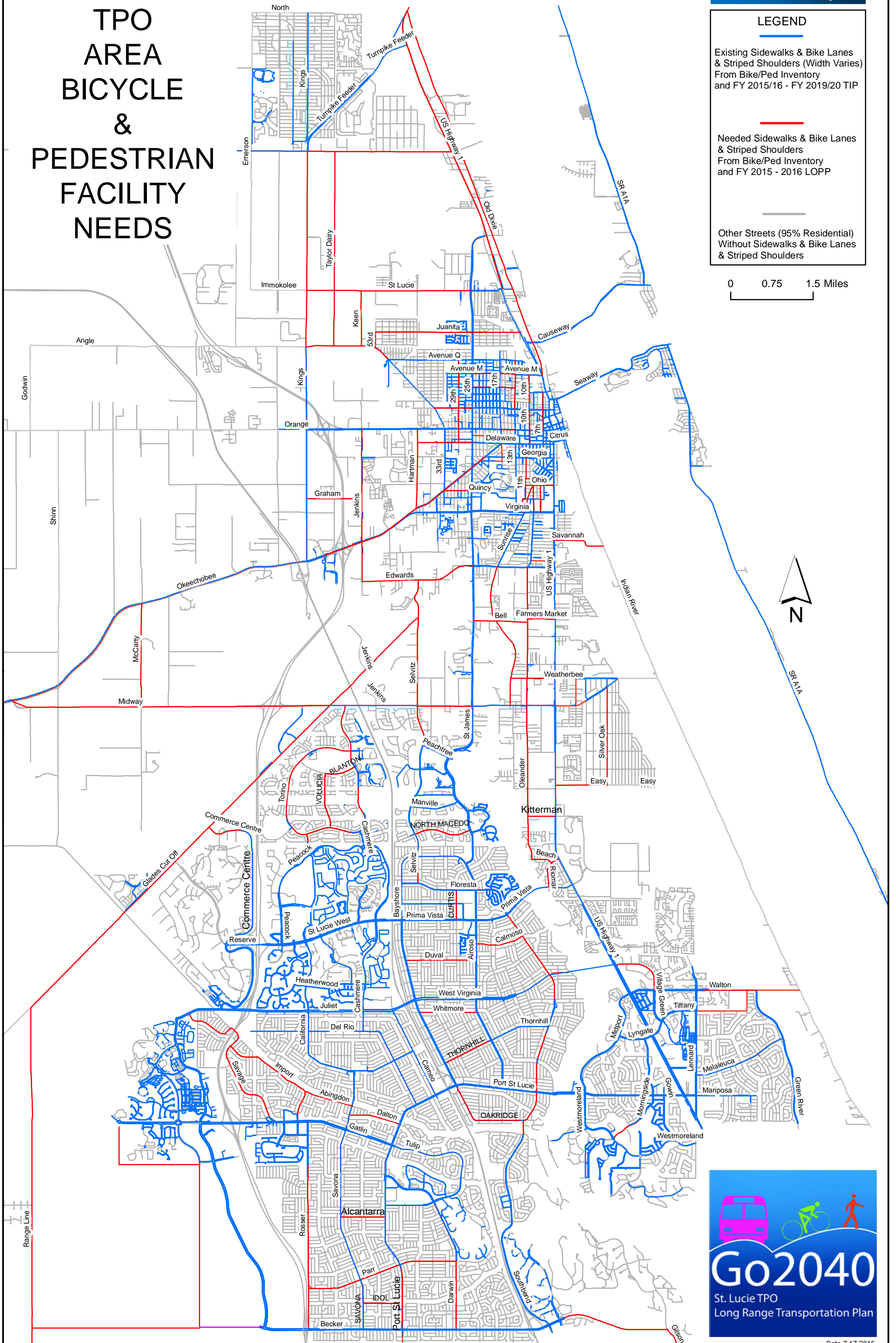
LEGEND

Existing Sidewalks & Bike Lanes & Striped Shoulders (Width Varies) From Bike/Ped Inventory and FY 2015/16 - FY 2019/20 TIP

Needed Sidewalks & Bike Lanes & Striped Shoulders From Bike/Ped Inventory and FY 2015 - 2016 LOPP


Other Streets (95% Residential) Without Sidewalks & Bike Lanes & Striped Shoulders


0 0.75 1.5 Miles




MAP - 4 FORT PIERCE AREA BICYCLE & PEDESTRIAN FACILITY NEEDS

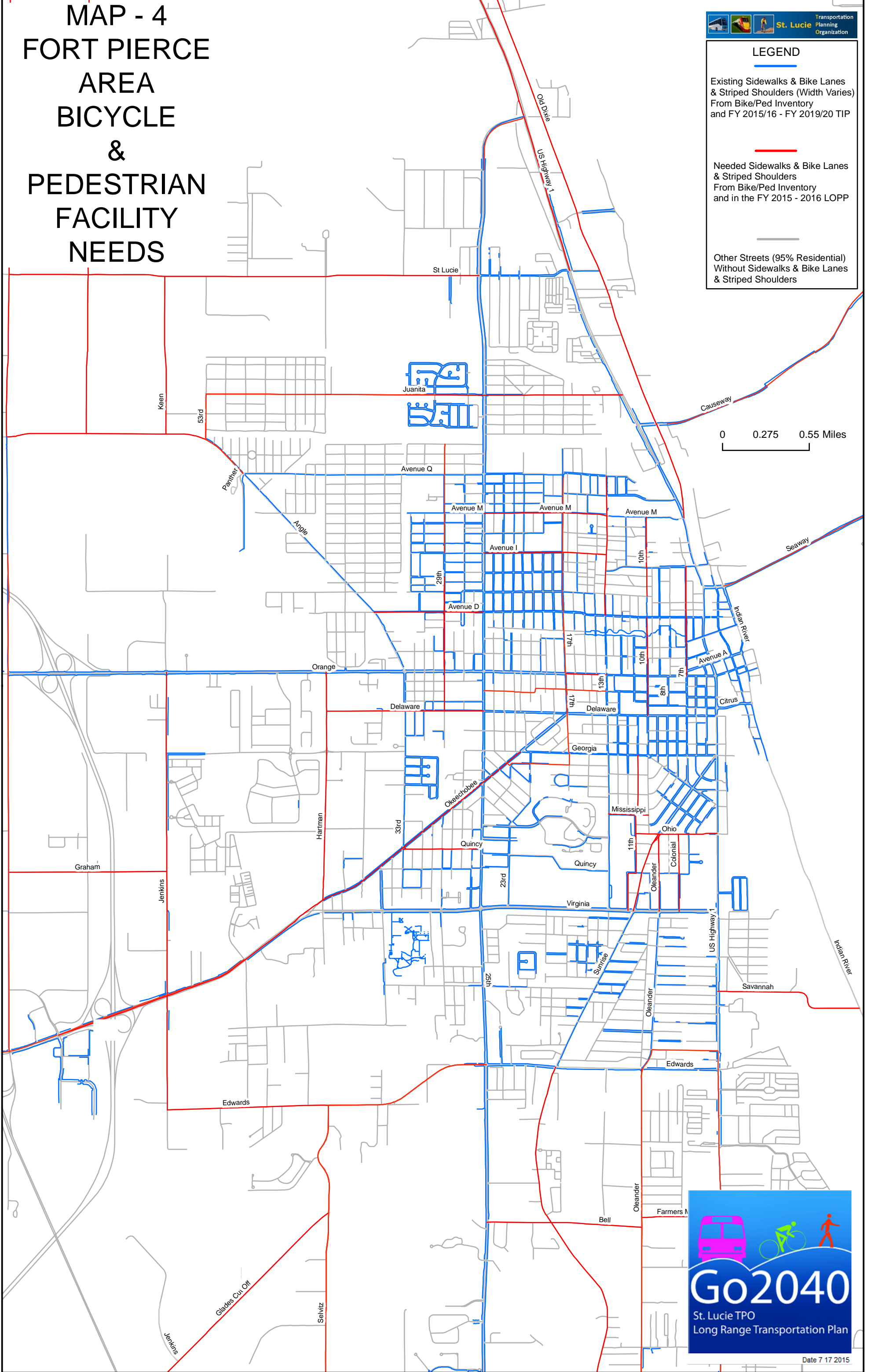
LEGEND

 Existing Sidewalks & Bike Lanes & Striped Shoulders (Width Varies) From Bike/Ped Inventory and FY 2015/16 - FY 2019/20 TIP

 Needed Sidewalks & Bike Lanes & Striped Shoulders From Bike/Ped Inventory and in the FY 2015 - 2016 LOPP

 Other Streets (95% Residential) Without Sidewalks & Bike Lanes & Striped Shoulders

0 0.275 0.55 Miles

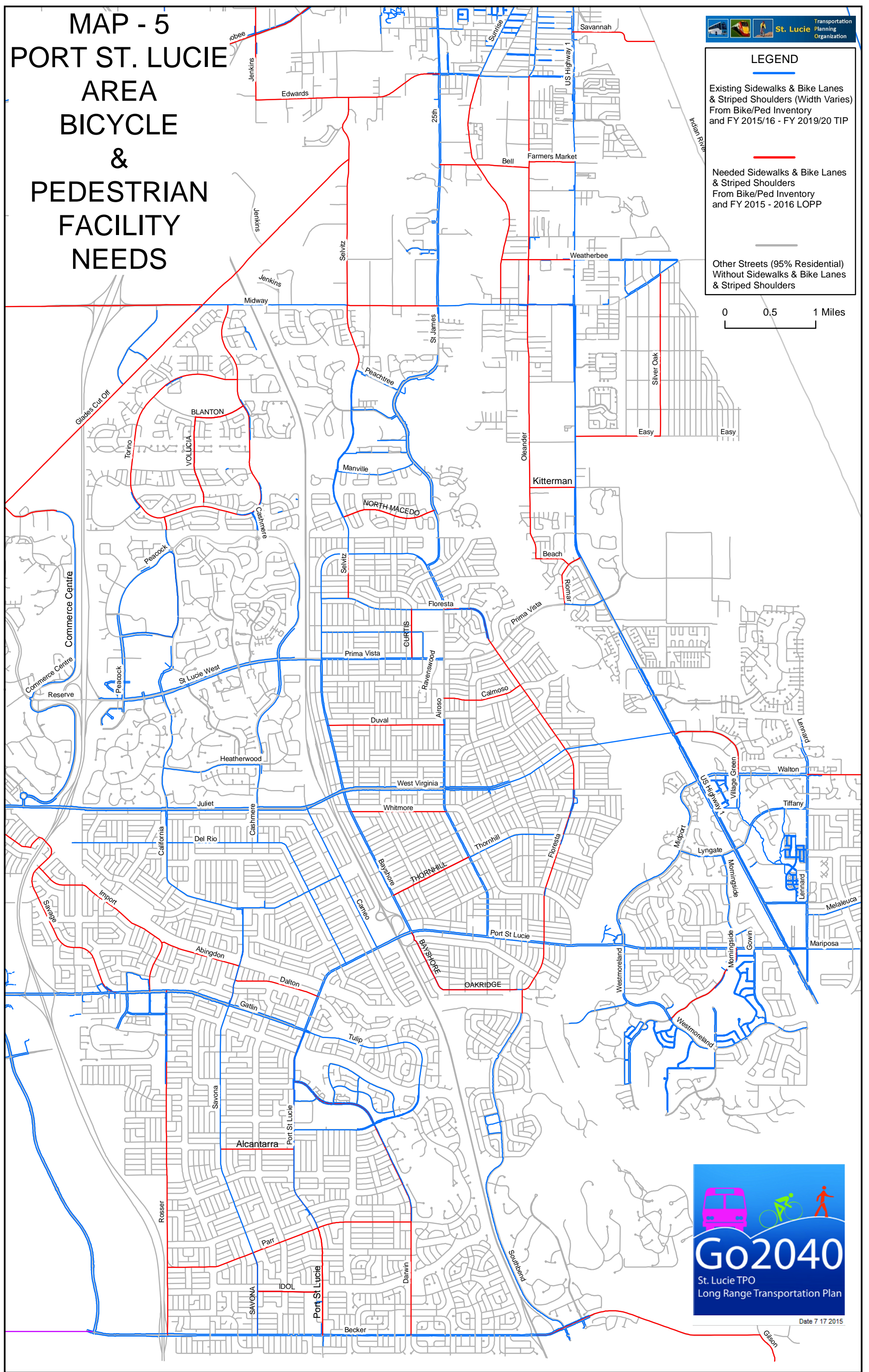
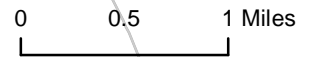



Go2040
St. Lucie TPO
Long Range Transportation Plan

MAP - 5 PORT ST. LUCIE AREA BICYCLE & PEDESTRIAN FACILITY NEEDS

LEGEND

- Existing Sidewalks & Bike Lanes & Striped Shoulders (Width Varies) From Bike/Ped Inventory and FY 2015/16 - FY 2019/20 TIP
- Needed Sidewalks & Bike Lanes & Striped Shoulders From Bike/Ped Inventory and FY 2015 - 2016 LOPP
- Other Streets (95% Residential) Without Sidewalks & Bike Lanes & Striped Shoulders




Go2040
 St. Lucie TPO
 Long Range Transportation Plan

TABLE 1

State and County Roadway Cost per Centerline Mile⁽¹⁾

LAST UPDATED 07/08/15

County	State	Improvement Type	Product Support ⁽²⁾	Right-of-Way ⁽³⁾	Construction ⁽⁴⁾	CEI ⁽⁵⁾	Total
Rural Section Design - Cost per Centerline Mile							
CR02	SR02	New Construction, 0 to 2 Lanes	\$682,138	\$1,550,313	\$3,100,625	\$465,094	\$5,798,170
CR04	SR04	New Construction, 0 to 4 Lanes	\$1,014,888	\$2,306,563	\$4,613,125	\$691,969	\$8,626,545
CR06	SR06	New Construction, 0 to 6 Lanes	\$1,663,750	\$3,781,250	\$7,562,500	\$1,134,375	\$14,141,875
CR24	SR24	Lane Addition, 2 to 4 Lanes	\$732,050	\$1,663,750	\$3,327,500	\$499,125	\$6,222,425
CR46	SR46	Lane Addition, 4 to 6 Lanes	\$798,600	\$1,815,000	\$3,630,000	\$544,500	\$6,788,100
CR48	SR48	Lane Addition, 4 to 8 Lanes	\$1,397,550	\$3,176,250	\$6,352,500	\$952,875	\$11,879,175
CR68	SR68	Lane Addition, 6 to 8 Lanes	\$898,425	\$2,041,875	\$4,083,750	\$612,563	\$7,636,613
Urban Section Design - Cost per Centerline Mile							
CU02	SU02	New Construction, 0 to 2 Lanes	\$1,430,825	\$3,251,875	\$6,503,750	\$975,564	\$12,162,014
CU04	SU04	New Construction, 0 to 4 Lanes	\$2,162,875	\$4,915,625	\$9,831,250	\$1,474,688	\$18,384,438
CU06	SU06	New Construction, 0 to 6 Lanes	\$2,429,075	\$5,520,625	\$11,041,250	\$1,656,188	\$20,647,138
CU24	SU24	Lane Addition, 2 to 4 Lanes	\$1,530,650	\$3,478,750	\$6,957,500	\$1,043,625	\$13,010,525
CU46	SU46	Lane Addition, 4 to 6 Lanes	\$1,580,563	\$3,592,188	\$7,184,375	\$1,077,656	\$13,434,782
CU48	SU48	Lane Addition, 4 to 8 Lanes	\$2,229,425	\$5,066,875	\$10,133,750	\$1,520,063	\$18,950,113
CU68	SU68	Lane Addition, 6 to 8 Lanes	\$1,597,200	\$3,630,000	\$7,260,000	\$1,089,000	\$13,576,200

Notes:

- 1) State and county costs are based state cost assumptions
- 2) Product support is estimated at 22% of the construction cost (Item 3) based on direction from the 2040 Revenue Forecast Handbook
- 3) Right-of-Way is estimated at 50% of the construction cost (Item 3)
- 4) FDOT District 4 LRE Roadway Costs, June 2015
- 5) CEI is estimated at 15% of construction cost (Item 3)

TABLE 2

Last Updated 7/8/15 - all costs using State unit costs

2040 Needs Plan Segments and Costs

Final costs for project length

Project Number	Street	From	To	Miles	Needs Improvement 2020-2040	Type	TOTAL
SIS							
1535	I-95	N. of Glades Cutoff Rd	S. of SR-70		Add 2 auxilliary lanes	SIS	\$31,193,000
1536	I-95	N. of Becker Rd	N. of Glades Cutoff Rd		Add 2 auxilliary lanes	SIS	\$100,831,000
Subtotal							\$132,024,000
State							
401	TURNPIKE FEEDER RD	INDRIO RD	US 1	2.736	State, Urban, 2-4 lanes	State	\$35,596,796
402	KINGS HWY	N OF I-95 OVERPASS	INDRIO RD	4.438	State, Urban, 2-4 lanes	State	\$57,740,710
*433	US 1	EDWARDS RD	SR A1A SOUTH	3.074	State, Urban, 4-6 lanes	State	\$41,298,520
Subtotal							\$134,636,026
County							
403	GLADES CUT-OFF RD	COMMERCE CTR DR	SELVITZ RD	5.388	County, Urban, 2-4 lanes	County	\$70,100,709
404	SELVITZ RD	GLADES CUT-OFF RD	EDWARDS RD	0.714	County, Urban, 2-4 lanes	County	\$9,289,515
413	MIDWAY RD	EAST TORINO PKWY	SELVITZ RD	1.317	County, Urban, 2-4 lanes	County	\$14,984,861
Subtotal							\$94,375,085
City							
405	CALIFORNIA BLVD	SAVONA BLVD	ST LUCIE WEST BLVD	3.022	County, Urban, 2-4 lanes	PSL	\$39,317,807
406	EAST TORINO PKWY	CASHMERE BLVD	MIDWAY RD	2.438	County, Urban, 2-4 lanes	PSL	\$31,719,660
407	PORT ST LUCIE BLVD	BECKER RD	PAAR DR	1.185	County, Urban, 2-4 lanes	PSL	\$15,417,472
408	PORT ST LUCIE BLVD	PAAR DR	DARWIN RD	1.698	County, Urban, 2-4 lanes	PSL	\$21,586,219
414	ST LUCIE WEST BLVD	E OF I-95	CASHMERE BLVD	1.904	County, Urban, 4-6 lanes	PSL	\$25,579,825
415	FLORESTA DR	OAKLYN ST	PORT ST LUCIE BLVD	0.611	County, Urban, 2-4 lanes	PSL	\$7,949,431
416	SOUTHBEND BLVD	BECKER RD	FLORESTA DR	4.18	County, Urban, 2-4 lanes	PSL	\$54,383,995
428	SAVONA BLVD	GATLIN BLVD	CALIFORNIA BLVD	1.079	County, Urban, 2-4 lanes	PSL	\$14,038,356
Subtotal							\$209,992,765
Roads Total							\$571,027,876
Developer							
2501	E-W-ROAD 6	SHINN RD	GLADES CUT-OFF RD	2.304	County, Urban, New 4 lane road	Dev	\$42,357,745
2502	WILLIAMS RD	SHINN RD	MCCARTY RD	1.515	County, Urban, New 2 lane road	Dev	\$18,425,451
2503	WILLIAMS EXT	MCCARTY RD	GLADES CUTOFF RD	1.791	County, Urban, New 4 lane road	Dev	\$32,926,528
2504	NEWELL RD	SHINN RD	ARTERIAL A	2.541	County, Urban, New 4 lane road	Dev	\$46,714,857
2505	RANGE LINE RD	GLADES CUT-OFF RD	MIDWAY RD	5.462	County, Rural, New 4 lane road	Dev	\$47,118,189
2506	SHINN RD	MIDWAY RD	GLADES CUT-OFF RD	4.958	County, Rural, New 4 lane road	Dev	\$42,770,410
2507	MCCARTY RD	WILLIAMS RD	MIDWAY RD	1.253	County, Urban, 2-4 lanes	Dev	\$16,302,188
2508	MCCARTY RD	GLADES CUT-OFF RD	WILLIAMS RD	1.975	County, Urban, New 4 lane road	Dev	\$36,309,265
2509	ARTERIAL A	GLADES CUT-OFF RD	MIDWAY RD	2.335	County, Urban, New 4 lane road	Dev	\$42,927,663
2601	BECKER RD	VILLAGE PKWY	RANGE LINE RD	4.252	County, Urban, New 4 lane road	Dev	\$78,170,630
2602	PAAR DR (WEST)	VILLAGE PKWY	RANGE LINE RD	4.242	County, Urban, New 4 lane road	Dev	\$77,986,786
2603	OPEN VIEW DR (WEST)	VILLAGE PKWY	RANGE LINE RD	3.924	County, Urban, New 4 lane road	Dev	\$72,140,535
2604	E-W ROAD 2	VILLAGE PKWY	N-S ROAD A	2.667	County, Urban, New 4 lane road	Dev	\$49,031,296
2605	DISCOVERY WAY	VILLAGE PKWY	COMMUNITY BLVD	0.271	County, Urban, 2-4 lanes	Dev	\$3,525,852
2606	DISCOVERY WAY	COMMUNITY BLVD	RANGE LINE RD	3.035	County, Urban, New 4 lane road	Dev	\$55,796,769
2607	STONY CREEK WAY	RANGE LINE RD	TRADITION PKWY	1.675	County, Urban, New 4 lane road	Dev	\$30,793,934
2608	TRADITION PKWY	RANGE LINE RD	STONY CREEK WAY	2.063	County, Urban, New 4 lane road	Dev	\$37,927,096
2609	CROSSTOWN PKWY	RANGE LINE RD	VILLAGE PKWY	2.709	County, Urban, New 4 lane road	Dev	\$49,803,443
2610	N-S ROAD A	CROSSTOWN PKWY	BECKER RD	5.13	County, Urban, New 4 lane road	Dev	\$94,312,167
2611	N-S ROAD B	BECKER RD	DISCOVERY WAY	2.802	County, Urban, New 4 lane road	Dev	\$51,513,195
2612	COMMUNITY BLVD	DISCOVERY WAY	BECKER RD	2.797	County, Urban, New 4 lane road	Dev	\$51,421,273
Subtotal							\$978,275,272

DRAFT 16-Jul-15

* Operational and/or capacity improvements will be considered



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GO2040 LRTP NEEDS PLAN PROJECT PRIORITIZATION CRITERIA

Vision: A balanced funded transportation system that meets the community's needs

Goals		Objectives	Adopted Performance Measures	Proposed Project Ranking Criteria	Scoring
1	Economic Prosperity & Growth	Enable people and goods to move around efficiently	Lane miles of additional capacity along congested (V/C>0.85) corridors	Current V/C Ratio: 0.85-1.0 V/C	1
				1-1.2 V/C	3
				V/C > 1.2	5
			% truck miles severely congested	Is Project on the St. Lucie Freight Network?	5
				Yes	5
	Increase transportation options & improve access to destinations that support prosperity and growth	% population within 1/4 mile of activity centers	Is the Project within 1/4 mile of an Activity Center(s)?	5	
		Yes	5		
		Transit routes providing access to activity centers	Is the project located on the Transit Needs Network?	5	
			Yes	5	
2	Choices	Improve the bike/ped and public transportation networks	% of roadways with sidewalks and bike lanes	Is the project on the Bike/Ped Needs Network?	5
				Yes	5
			% of transit stops with sidewalk access	Is the project adjacent to a transit stop?	5
				Yes	5
			Provide for transportation needs of the transportation disadvantaged that may include the use of automated vehicles	Miles of fixed route transit service	Is the project a new transit route?
	Yes	5			
		% of low-income, elderly and persons with disabilities within 1/4 mile of transit route	Is the project in an EJ area?	5	
			Yes	5	
3	Existing Assets & Services	Maintain condition of existing transportation assets	Pavement condition, 70 or less	Does the Project Improve Pavement Condition?	5
				Yes	5
			Bridge condition, 50 or less	Does the Project Improve Bridge Condition?	5
			Yes	5	
			Percent transit fleet beyond useful life	Does the Project Replace Aging Fleet?	5
		Yes	5		
	Improve efficiency of existing transportation services	VMT of roads operating at adopted LOS	Does the project improve multimodal LOS?	5	
		Yes	5		
		Passenger trips per vehicle mile of service	Does the Project increase ridership?	5	
			Yes	5	
4	Cooperation	Facilitate unified transportation decision-making through intergovernmental cooperation	Attendance at TPO meetings		
			Collaboration opportunities with local and resource agencies	Is the Project supported by local and resource agencies?	1 pt for each, max total of 5
			Yes		
		Ensure community participation is representative	Collaboration opportunities with community and public groups	Is the Project supported by community and public groups?	1 pt for each, max total of 5
Opportunities for engagement in traditionally underserved areas	Is the Project supported by groups from traditionally-underserved areas?		1 pt for each, max total of 5		
		Yes			
		Yes			
5	Health & Environment	Support healthy living strategies, programs and improvements	Community Walkscores	Does the project add a sidewalk?	5
				Yes	5
			Number of bicycle riders	Does the project add a bike lane?	5
				Yes	5
		Make transportation investments that minimize impacts to the natural environment and allocate resources toward mitigation	Number of additional roadway lane miles of impacting environmentally sensitive areas	Is the Project not in a environmentally sensitive area depicted in the Go2040 LRTP?	5
	Yes		5		
		Increase transit frequency and span of service	Does the project increase service hours or frequency?	5	
			Yes	5	
6	Safety & Security	Improve the safety of the transportation system that may include the incorporation of infrastructure in support of automated vehicles	Number and rate of fatalities/serious Injuries, Motorized	Does the project address a motorized safety issue?	5
				Yes	5
			Number of fatalities/serious Injuries, Non-motorized	Does the project address a nonmotorized safety issue?	5
			Yes	5	
	Improve the transportation system's stability/resiliency in the event of climate change, emergencies or disasters	Percentage of system that is resilient in vulnerable areas	Is the project resilient or provide stability/resiliency in the event of climate change, emergencies or disasters?	5	
			Yes	5	

AGENDA ITEM SUMMARY

Board/Committee:	Bicycle-Pedestrian Advisory Committee (BPAC)
Meeting Date:	July 23, 2015
Item Number:	6c
Item Title:	Annual Public Involvement Program (PIP) Evaluation of Effectiveness and Update
Item Origination:	Unified Planning Work Program (UPWP)
UPWP Reference:	Task 6.1 – Public Involvement, Education & Outreach
Requested Action:	Review and recommend acceptance of the Annual PIP Evaluation of Effectiveness and Update, recommend acceptance with conditions, or do not recommend acceptance.
Staff Recommendation:	It is recommended that the Annual PIP Evaluation of Effectiveness and Update be recommended for acceptance by the TPO Board.

Attachments

- Staff Report
- PIP Performance Measures
- Public Outreach Matrix



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MEMORANDUM

TO: Bicycle-Pedestrian Advisory Committee (BPAC)

THROUGH: Peter Buchwald
Executive Director

FROM: Yi Ding
Livability Planner

DATE: July 17, 2015

SUBJECT: Annual Public Involvement Program (PIP) Evaluation of Effectiveness and Update

BACKGROUND

The Unified Planning Work Program (UPWP) includes substantial public involvement efforts, a continuous and ongoing task which includes compliance with all Title VI and Nondiscrimination requirements. These public involvement efforts are advanced through the PIP of the St. Lucie TPO.

Annually reviewing the effectiveness of the St. Lucie TPO Public Involvement Goal, Objectives, and Strategies enables the TPO to adjust and modify the public involvement techniques accordingly. Various performance measures were used by TPO staff to evaluate the PIP. The results of the annual Evaluation of Effectiveness can quantify public access to transportation planning activities as well as the level of public participation and impact within FY 14-15. The public participation tools and techniques in the public outreach matrix subsequently are continued, refined, and/or replaced based on the results.

ANALYSIS

The PIP Annual Update includes evaluating the effectiveness of the PIP by applying the performance measures to the strategies for meeting the PIP objectives. It is the first time that performance measures data has been collected and the result will be used as a baseline in the future for evaluating and refining the PIP tools and techniques. The 3 greatest measures for FY 14-15 were the total number of persons contacted for all surveys and

questionnaires (23,584), the total number of students who participated in the TPO activities (4,235), and the total number of survey and questionnaire responses (799).

Revising the Public Outreach Matrix with the addition of new tools and techniques is part of the Annual Update as well. Based on the performance measures, "Social Media" has provided the best results and it is recommended to revise the Public Outreach Matrix in order to use "Social Media" for the upcoming UPWP, LOPP, CMP, and Projects.

RECOMMENDATION

It is recommended that the Annual PIP Evaluation of Effectiveness and Update be recommended for acceptance by the TPO Board.

Public Involvement Plan - Performance Measures and Annual Update FY 14-15

Objective A - Hold Regularly Scheduled and Advertised Meetings Open to the General Public		
Strategy	Measure of Effectiveness	
	Measure	Quantity FY 14-15
Strategy A1: All TPO Policy Board and Advisory Committee meetings, times, agendas, and locations will be publicly noticed in local newspapers and online.	Number in attendance at meetings	372
Strategy A2: Video recorded TPO meetings will be available for replay on the local government channels and the internet (St. Lucie Online - Video on Demand - via link from TPO website - www.stlucietpo.org).	Number of online hits to TPO website and social media	566
Strategy A3: TPO meetings will be held in ADA-compliant locations accessible to transit and traditionally underserved communities	Number of meeting participants who are transit riders and/or the physically challenged.	4
Strategy A4: TPO meetings and workshops will be publicly noticed in a variety of means to ensure that a variety of communities are reached and a scrapbook of the notifications will be maintained. Build data base of all meeting requests, concerns and inquiries regarding meeting schedules and logistics.	Number of meeting attendance by minority and traditionally underserved communities	85
Strategy A5: Ensure that all Advisory Committee positions are filled.	Number of meetings where advisory committee positions remained unfilled.	0
Strategy A6: Ensure all Advisory Committee recommendations are presented to the TPO Board. Keep log of all Committee recommendations to the TPO Board and the respective actions taken by the Board.	Total number of persons contacted for all surveys and questionnaires	23,584
Strategy A7: Incorporate specialized surveys and questionnaires in meetings and events where appropriate.	Total number of survey and questionnaire responses	799

Public Involvement Plan - Performance Measures and Annual Update FY 14-15

Objective B - Seek Out Traditionally Underserved Communities		
Strategy	Measure of Effectiveness	
	Measure	Quantity FY 14-15
Strategy B1: The TPO will create electronic newsletters and pamphlets describing its purpose and activities to be widely distributed throughout the TPO area as well as placed on the TPO website. Materials will also be made available in Spanish and Haitian Creole.	Number of meeting attendees/survey respondents who indicate they saw/received the TPO newsletters and flyers.	0
Strategy B2: All televised TPO meetings will be closed-captioned for the hearing impaired.		
Strategy B3: TPO notices, meeting agendas, and packets will be sent to minority communities or traditionally underserved populations to ensure notification of TPO events.	Number of meeting participation of Spanish and Creole speakers.	6
Strategy B4: TPO staff will provide presentations to community groups throughout the County to discuss the TPO process and projects.		
Strategy B5: Tailor outreach methods according to socio-economic characteristics summarized in the community profiles.	Number of traditionally underserved and minority community participants who indicate they saw/received TPO communications.	0
Strategy B6: Identify communities with higher concentrations of minority and/or under-served populations, develop relationships with community and religious leaders in these communities, and hold workshops and meetings in these communities.	Participation by religious and community leaders in minority and underserved communities.	30
Strategy B7: A contact list of minority and underrepresented citizens will continue to be maintained and updated by the TPO.		
Strategy B8: Utilize public transportation equipment and infrastructure for advertising community-based TPO workshops and planning activities.	Number of participants who use public transportation.	2

Public Involvement Plan - Performance Measures and Annual Update FY 14-15

Objective C - Engage the Public Clearly, Continually, and Comprehensively through a Variety of Outreach Activities to Maximize Public Impact		
Strategy	Measure of Effectiveness	
	Measure	Quantity FY 14-15
Strategy C1: Schedule at least two workshops or community presentations per year in the evening and/or at locations other than government buildings to increase public awareness and outreach.	Number of online traffic relative to TPO outreach efforts.	
Strategy C2: Track and keep records of public comments and contacts to the TPO through telephone calls, emails, letters, and include summary in annual update.	Number of telephone, email, and regular mail public inquiries to TPO programs and planning activities.	20
Strategy C3: Use TPO website to improve amount of information available, its appeal, its usefulness, and make the site interactive so that public input can be obtained electronically.	Number of positive public responses to website performance and interaction capabilities.	1
Strategy C4: Continue to explore and document new and/or alternative tools and techniques for reaching out to the community and facilitating public impact including advancements in social media outlets, engagement activities, and the TPO Visualization Campaign.	Number of comment forms and survey responses.	584
Strategy C5: Create an outreach link with local schools and universities to emphasize the relationships between transportation, mobility, and livability.	Number of students who participate in TPO activities.	4,235

Public Involvement Plan - Performance Measures and Annual Update FY 14-15

Objective D - Integrate the Principles and Special Projects Adopted in the 2035 RL RTP in Public Outreach Efforts, Emphasizing Key Concepts of the Plan Including Enhanced Mobility, the US 1 Corridor Retrofit Project, and the Treasure Coast Loop Trail		
Strategy	Measure of Effectiveness	
	Measure	Quantity FY 14-15
Strategy D1: Partner with other transportation planning agencies, local governments, and community leaders to broaden the awareness of TPO priorities and objectives in the 2035 RL RTP, especially in traditionally under-served communities.	Number of non project-specific meetings with other planning agencies to discuss broader range issues.	6
Strategy D2: Include key concepts of the 2035 RL RTP in outreach tools including TPO newsletters, annual reports, and project postcards.	The output of 2035 RL RTP special project visualization products (postcards, flyers, posters, etc).	10
Strategy D3: Maintain the 2035 RL RTP website and outreach database to ensure continuity through each future planning effort.	Number of 2035 RL RTP implementation projects underway.	6
	Number of public inquiries regarding the 2035 RL RTP-specific planning efforts and special projects.	0

Public Outreach Matrix

		PIP	LRTP	TIP		UPWP	CMP	Projects
				Priorities	Document			
Public Review and Comment	Comment Forms	X	X	X	X		X	X
	Surveys & Questionnaires		X					
	Email, Mail, In Person, or Telephone Comments		X		X			
	Formal Review and Comment Periods		X		X			
TPO Website		X	X	X	X	X	X	X
Social Media Networking (Facebook/Twitter)			X		X			
TPO Committee and Board Meetings		X	X	X	X	X	X	X
Visualization Campaign	TPO Newsletter							
	TPO Gallery and Kiosks		X					
	Posters, Flyers, and Brochures		X					
Engagement Activities	Public Workshops or Charrettes		X					
	Event Booths		X					
	Community Associations							
	Telephone Town Hall Meetings		X					
Efficient Transportation Decision-Making Process		N/A				N/A		
Media and Meeting Notification	Newspapers	X	X	X	X		X	X
	Television							
	Radio							
	Direct Mailing							
	Email	X	X	X	X		X	X

PIP: Public Involvement Program LRTP: Long Range Transportation Plan TIP: Transportation Improvement Program

UPWP: Unified Planning Work Program CMP: Congestion Management Process N/A: Not applicable