



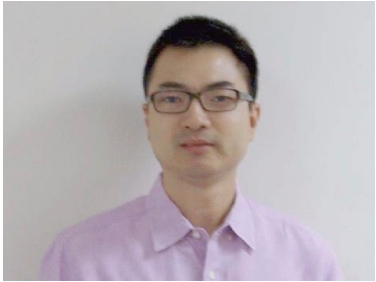
SMART MOVES 2045

St. Lucie TPO Long Range Transportation Plan

Virtual Workshop #3
Tuesday, September 1st

Welcome!

Project Team



Yi Ding

Project Manager
St. Lucie TPO



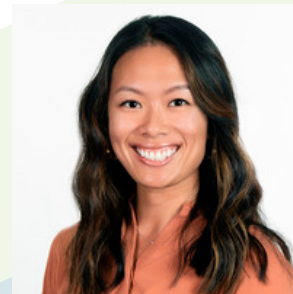
Stewart Robertson, P.E.

Consultant Project Manager
Kimley-Horn



Marceia Lathou, AICP

Title VI Coordinator
St. Lucie TPO



Lisa Juan, EIT

Kimley-Horn

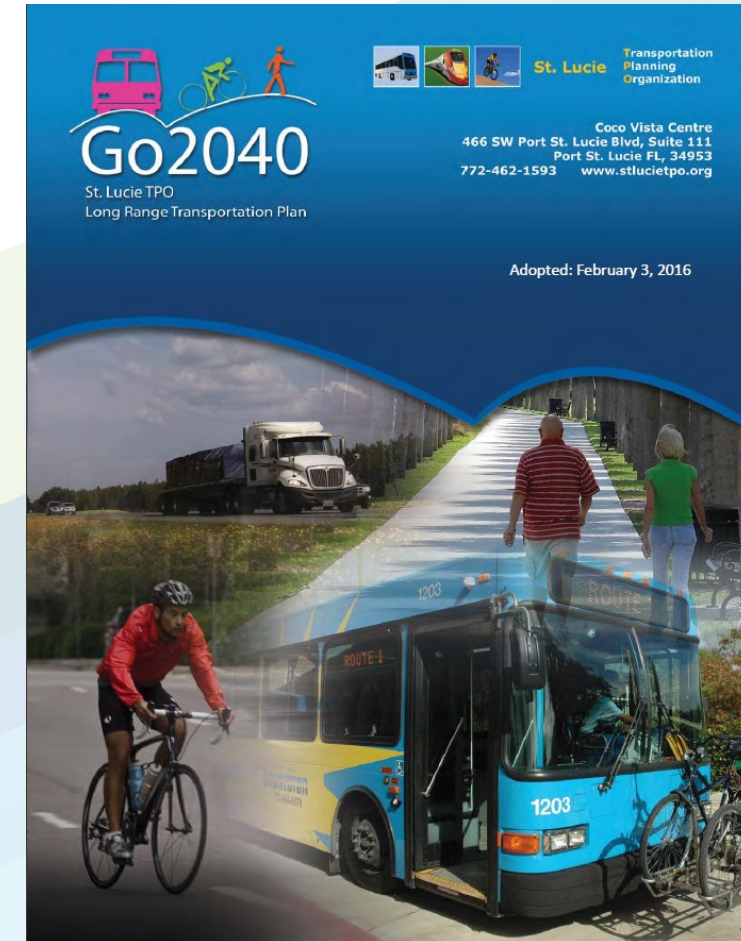
Introduction



- » The St. Lucie Transportation Planning Organization (TPO) is an independent metropolitan planning organization (MPO) **responsible** for the **transportation planning and programming** for the **City of Fort Pierce, City of Port St. Lucie, St. Lucie Village**, and the **unincorporated areas of St. Lucie County**.
- » One of the most important metropolitan planning federal requirements is the **preparation of a long range transportation plan (LRTP)**.

Background

- » The Long Range Transportation Plan (LRTP) 2045 describes how St. Lucie County's multimodal transportation system will evolve over the next 25 years.
- » The St. Lucie TPO is required by federal law to review and update its transportation plan every five (5) years.
- » The St. Lucie 2040 LRTP, referred to as *Go2040*, was adopted by the TPO Governing Board in February 2016.



Virtual Workshop Format

- » 2-hour workshop from **6:00 PM to 8:00 PM**
- » **2 run-throughs** of the **presentation**, if needed
- » Questions and Answers (**Q&As**)
- » *Please send your questions through the chat!*
- » *For people who dialed in, there will also be an opportunity to hear from you at the end!*

For those with Limited English proficiency

» Let us know through the chat how to contact you, and we will get back to you directly to ensure we receive your feedback!

Para aquellos con dominio limitado del inglés

» ¡Envíenos su información de contacto a través del chat y nos pondremos en contacto directamente con usted para asegurar que sus comentarios sean recibidos!

Sa se pou moun ki pa trop abil nan Angle a

» Nan chat la, fe nou konnin kilan pou nou kontakte ou. Epi na reponn ou direkteman pou ba ou fidbak!

Poll Question

- » Cast your vote on-screen.
- » If you are in full-screen mode, you may need to press “ESC” to exit full screen mode in order to vote.



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» **Who are you representing at this workshop?**

Yourself

Members of Your Community

» **How did you hear about the workshop?**

Website

Facebook/Instagram/Twitter

Radio

Word of Mouth

Email

**» Did you attend Virtual
Workshop #1?**

Yes

No

Agenda

- »Public Engagement
- »Transportation Alternatives



Public Engagement

Smart Moves 2045 Long Range Transportation Plan

We are developing the Smart Moves 2045 Long Range Transportation Plan. Please take a look at potential projects to vote or comment on them. The most liked rise to the top of the priority list.

- Filter Map Comments
- Filter Map Needs Plan Projects

Map Layers

- ☒ Roadway Projects
Developer roads denoted in blue
- ☒ Sidewalks
- ☒ Proposed New Transit Service
- ☒ Microtransit Operations
- ☒ Transit Operations
Increase Frequency, Extend Weekday Service Hours
- ☒ Bicycle Facilities
Remove all layers

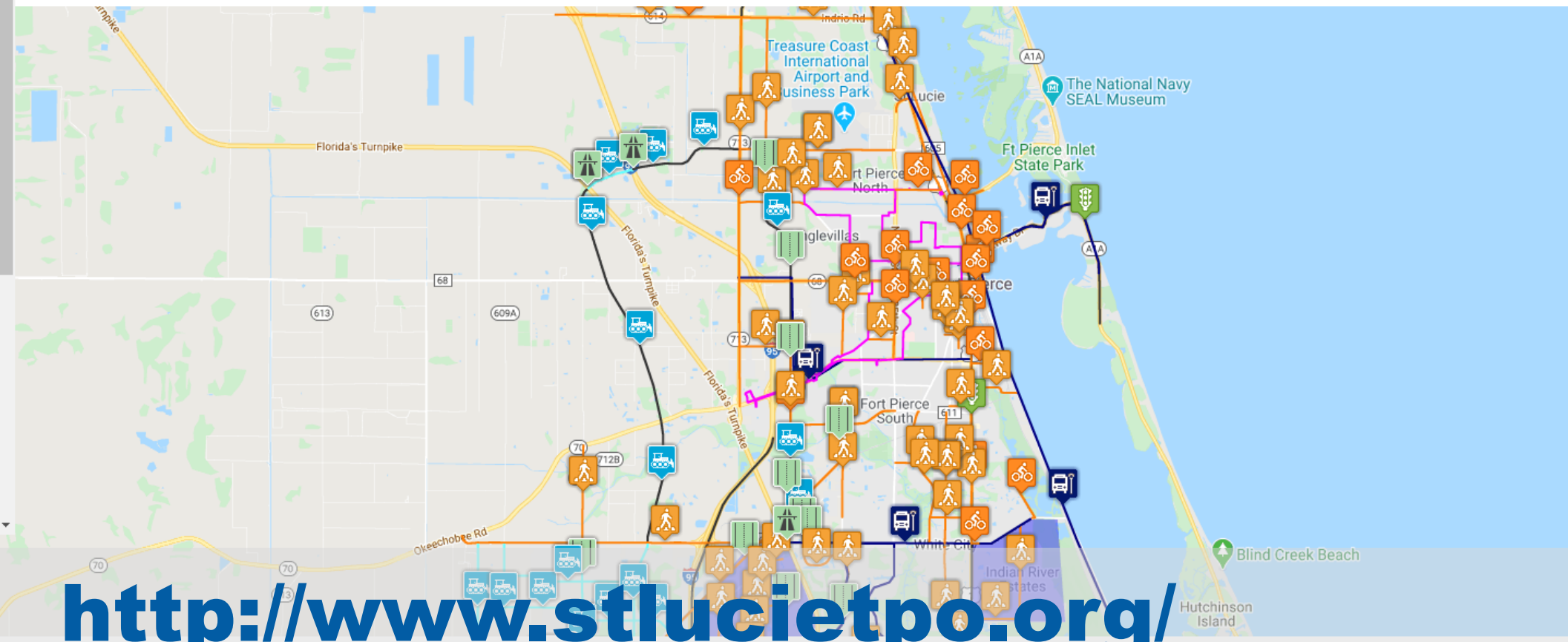
Needs Plan Projects

- Add Lanes
- Bicycle Facilities

Map Menu

SMART MOVES 2045 LONG RANGE TRANSPORTATION PLAN

Click on a needs plan project to comment and vote. You may also drop a pin on a location to suggest a project.



<http://www.stlucietpo.org/>

St. Lucie TPO 2045 Long Range Transportation Plan Survey

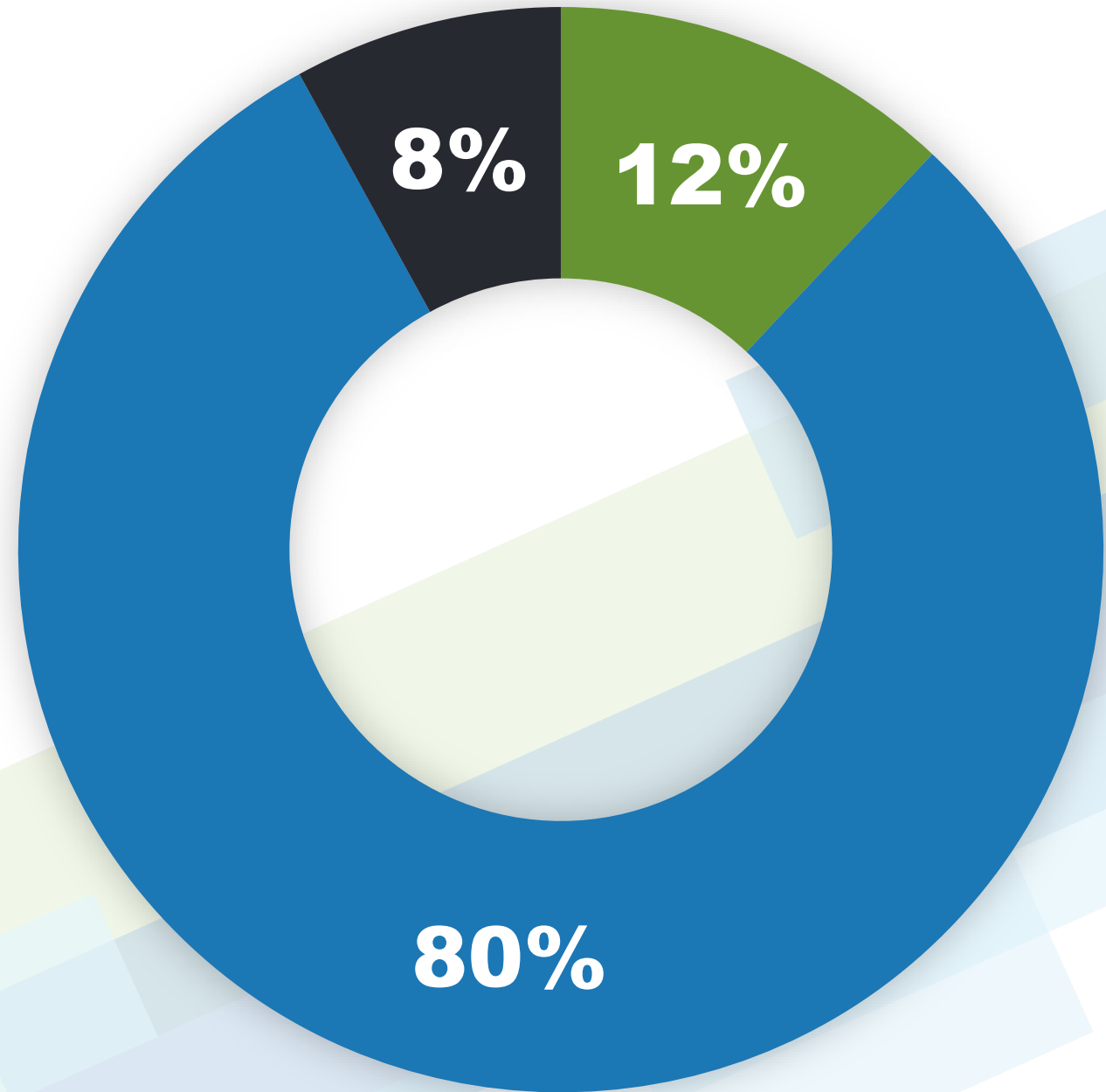
The St. Lucie Transportation Planning Organization (TPO) is currently developing the 2045 Long Range Transportation Plan. Please take approximately 5 to 10 minutes to fill out the survey below, which will help the TPO to identify public priorities. Surveys are anonymous. We appreciate your input.

OK

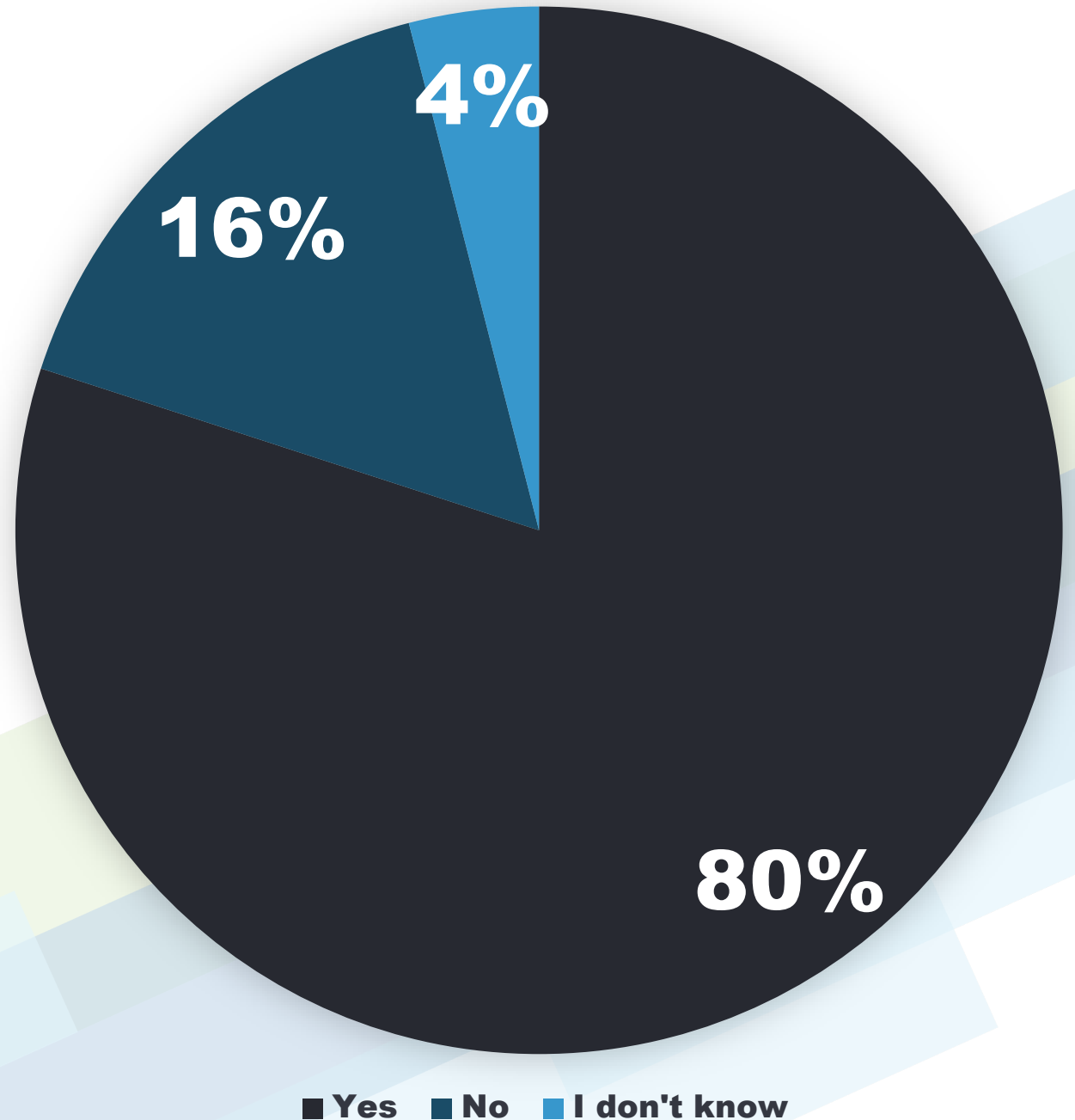
* 1. What is your home zip code?

<http://www.stlucietpo.org>

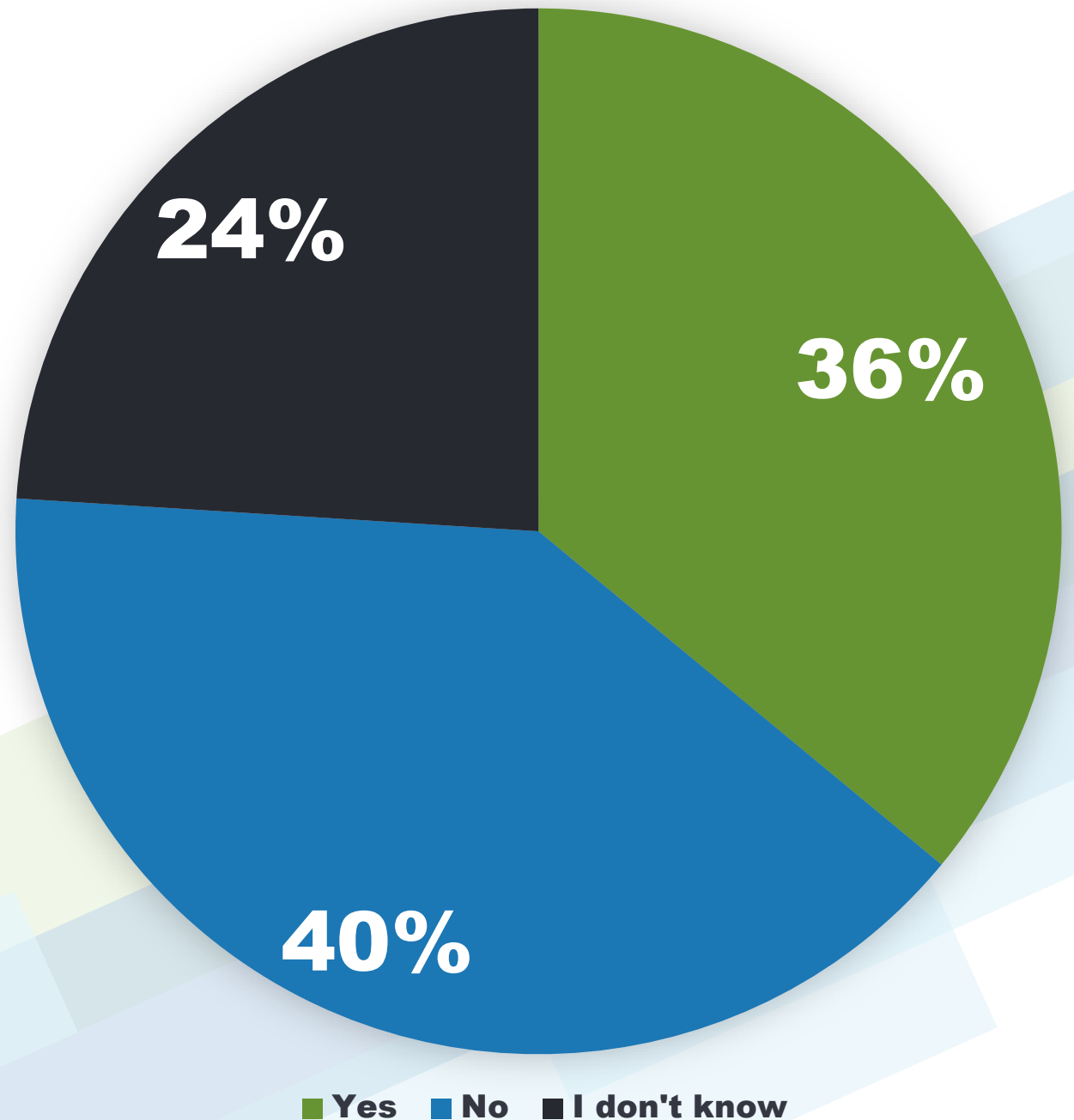
How do you get around most often?



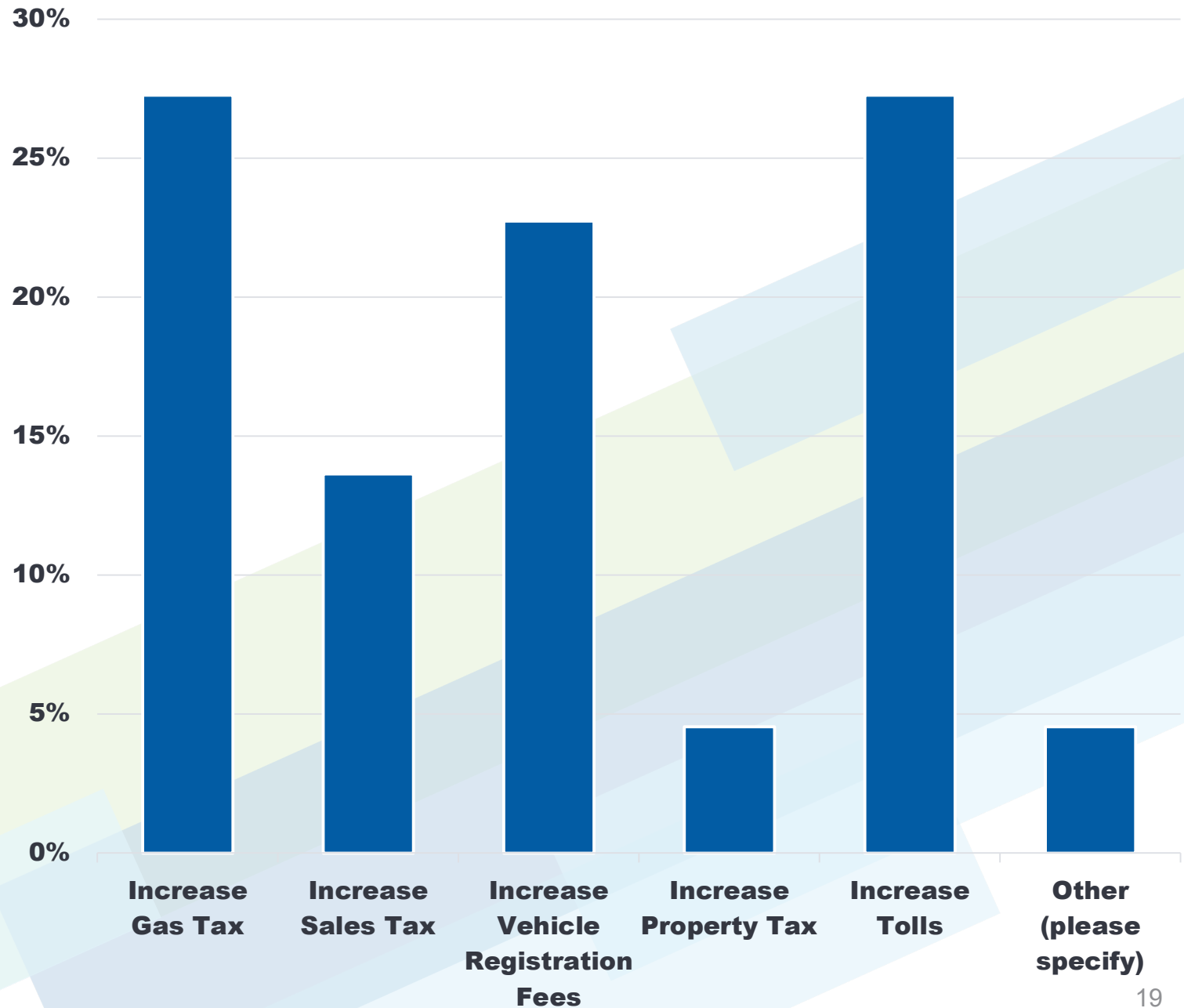
If there are more sidewalks and bike lanes, would you walk or bike more often?



If there were more bus routes closer to where you live, would you ride the bus more often?



Which of the following transportation funding sources would you support?



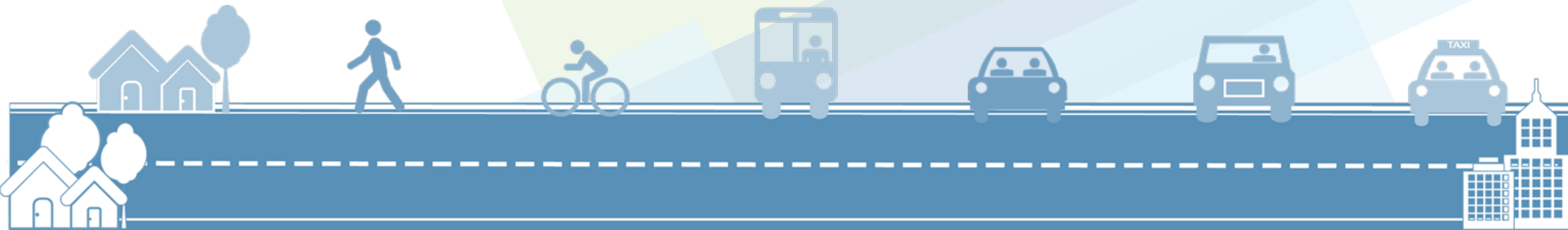
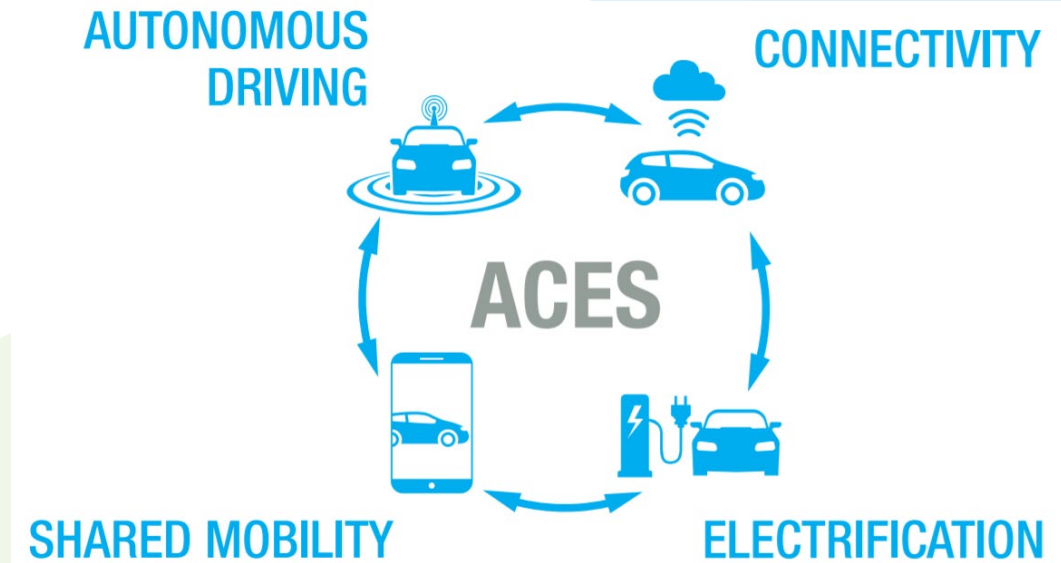


Transportation Alternatives

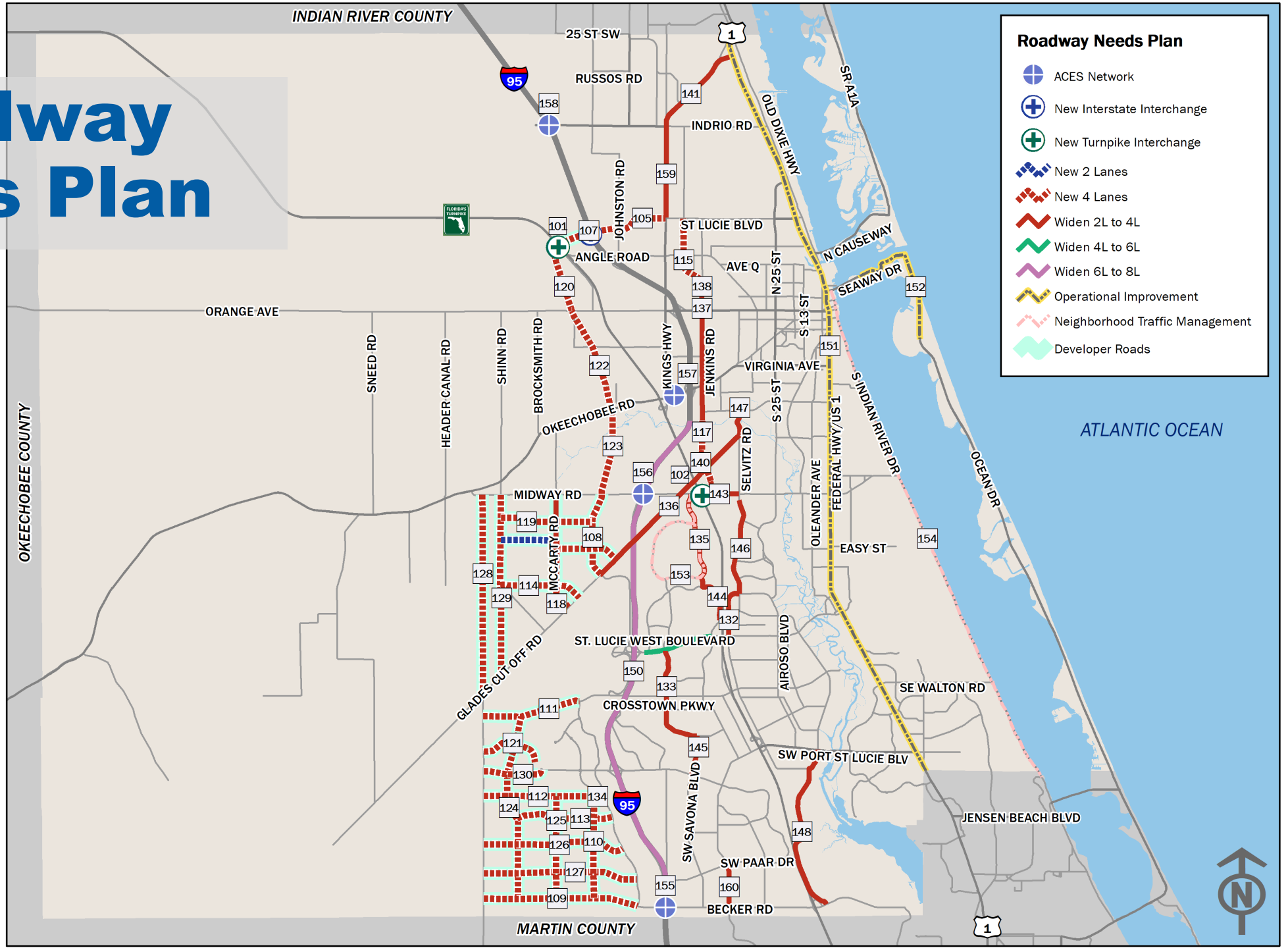
- » The Multimodal Needs Plan exceeds the available projected revenues.
- » The Transportation Alternatives address travel demand/mobility needs and the community, goals, objectives, and performance targets.

Multimodal Needs Plan

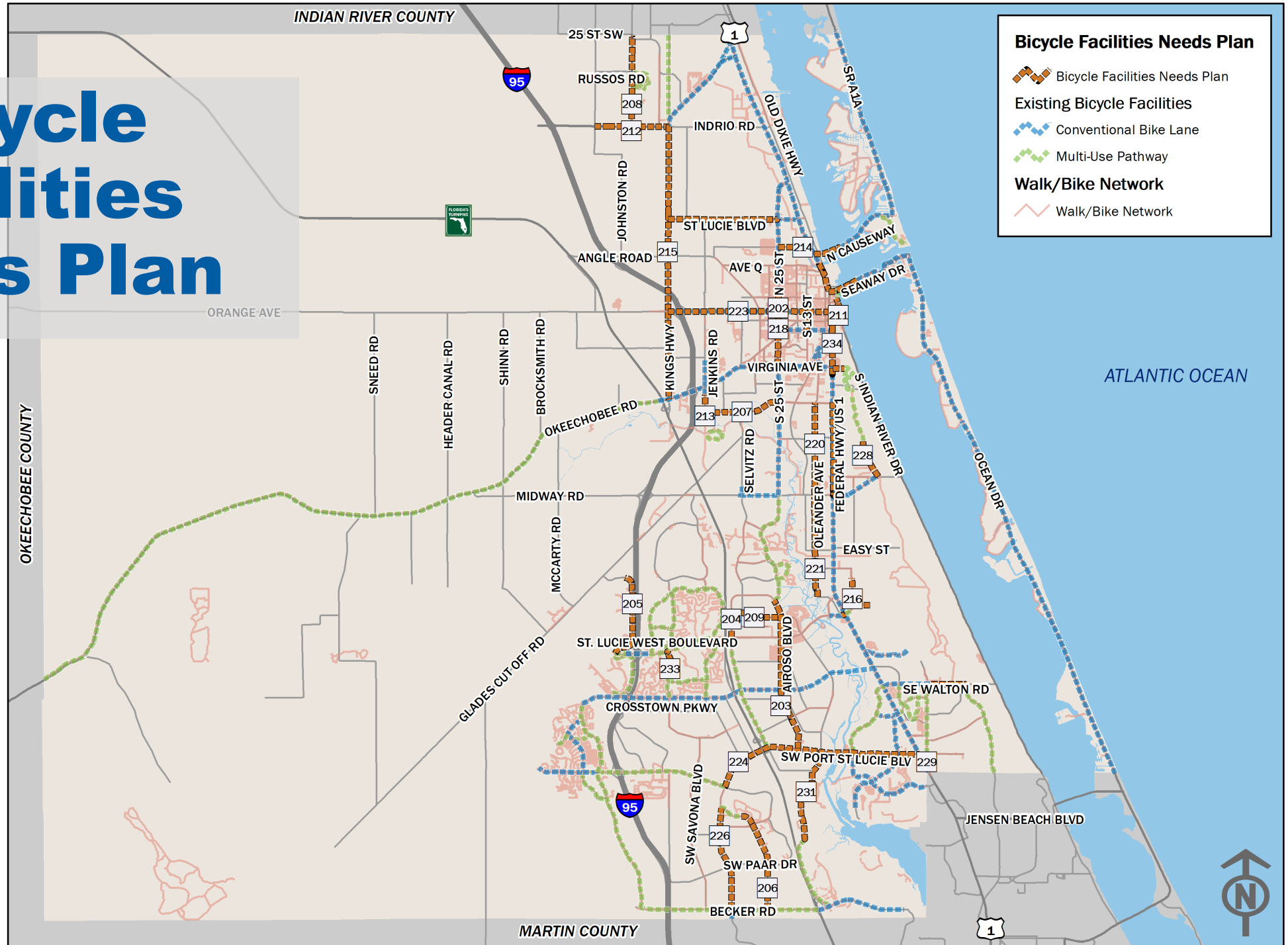
- » Focuses on all modes such as pedestrians, bicyclists, transit riders, and motorists
- » Accommodates future travel demand, addressing safety issues, and meeting community needs for the next 25 years
- » Incorporates technology through the Automated, Connected, Electric, and Shared (ACES) concept



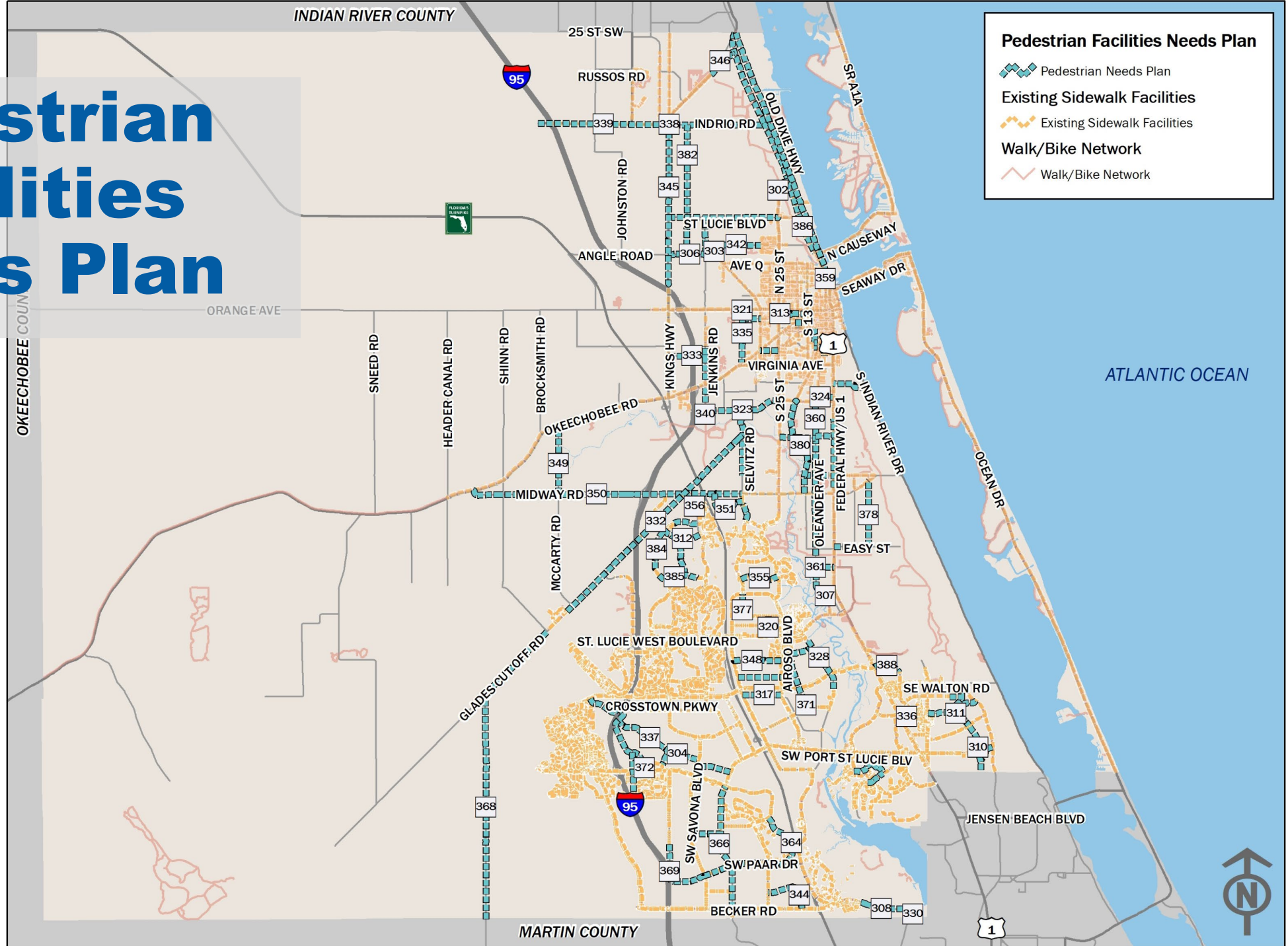
Roadway Needs Plan



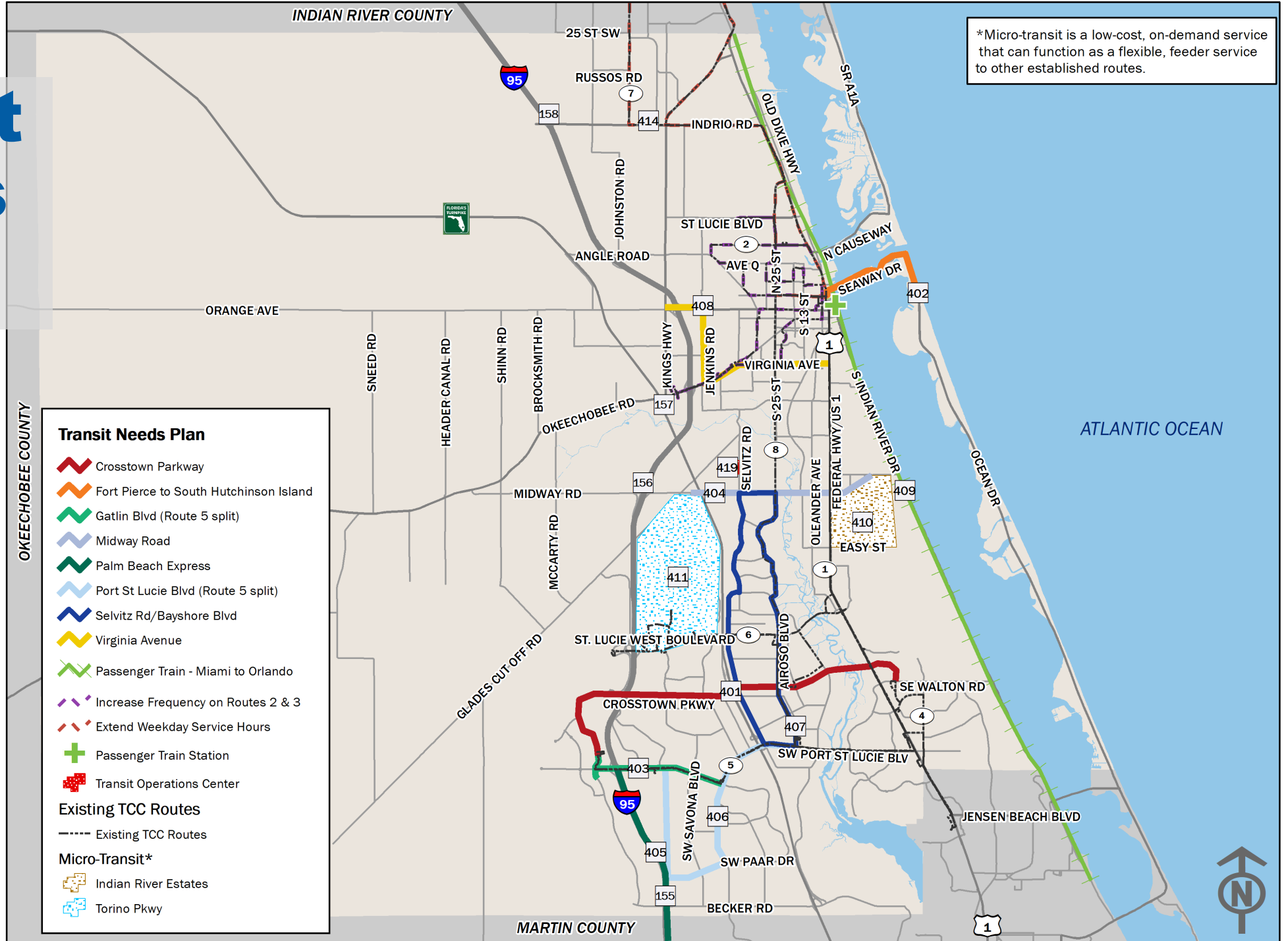
Bicycle Facilities Needs Plan



Pedestrian Facilities Needs Plan



Transit Needs Plan



*Micro-transit is a low-cost, on-demand service that can function as a flexible, feeder service to other established routes.

Poll Question

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» **What transportation projects would best benefit the St. Lucie County community?**

New roads or add more lanes to an existing road

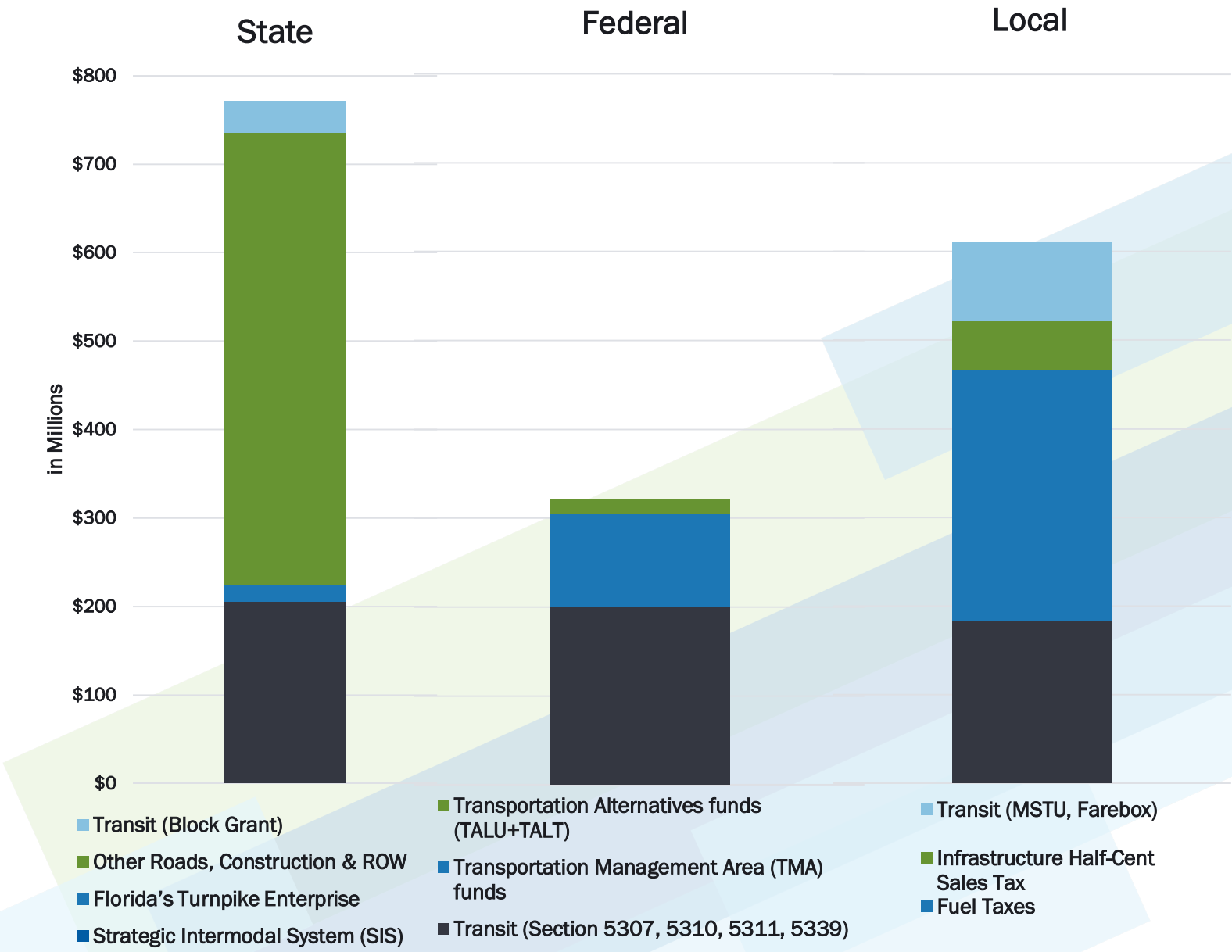
New sidewalks, bike lanes, multi-use paths

New bus service, improved bus service, train service

Intersection or traffic management improvements

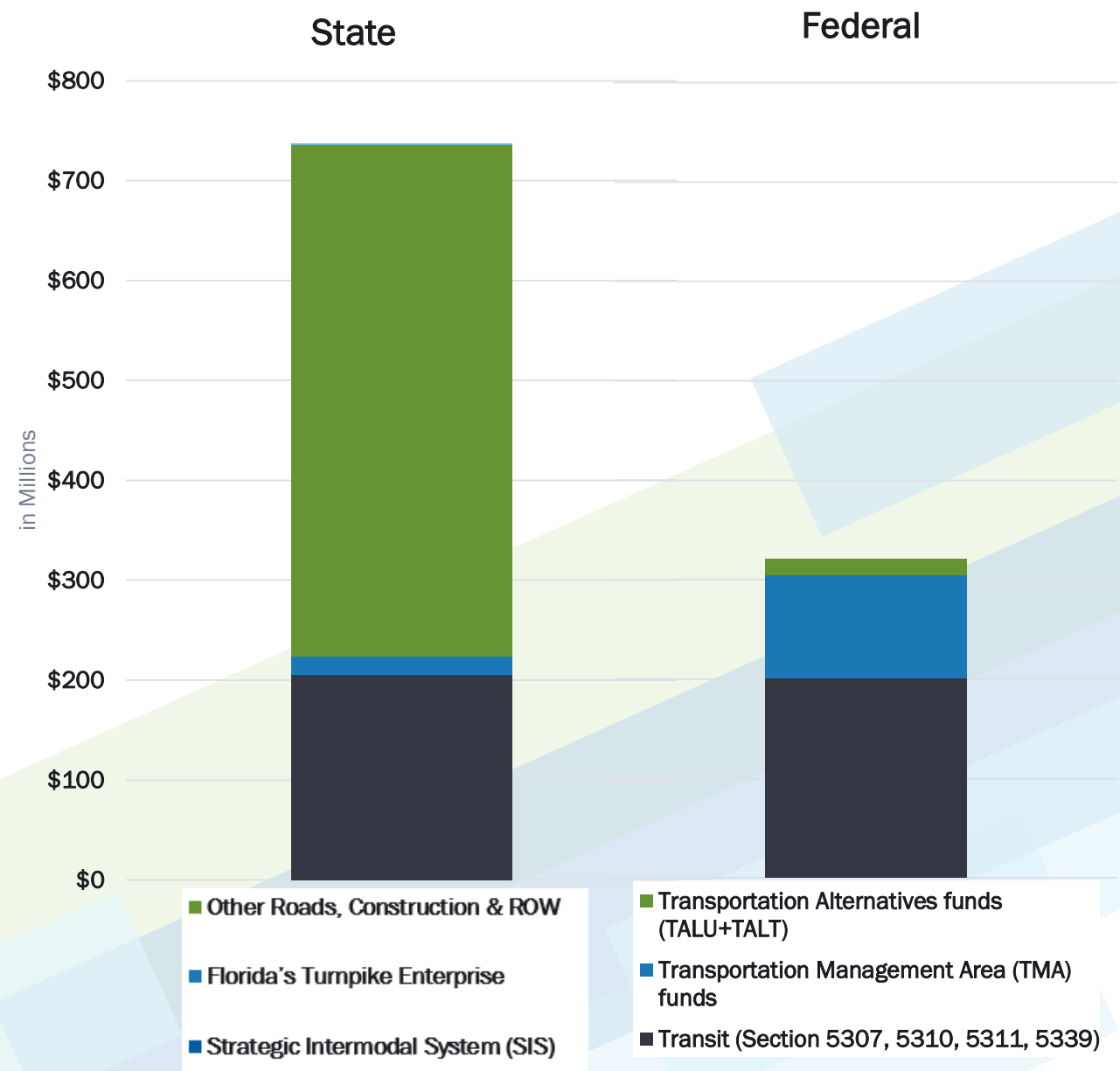
Projected Revenues, 2021 to 2045 in Millions (Year of Expenditure)

» 10% of the Other Roads Construction & ROW can be used for off-system roads.



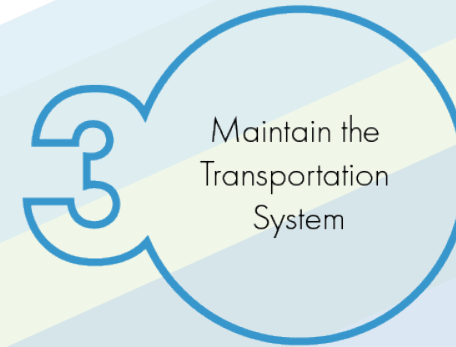
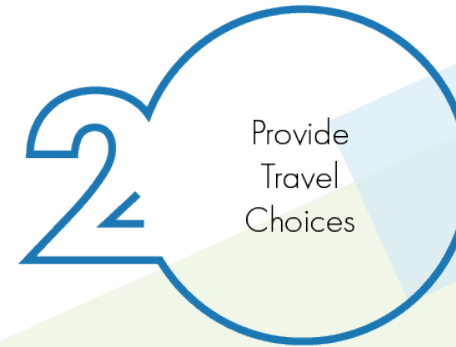
Projected Revenues, 2021 to 2045 in Millions (Year of Expenditure) available to *SmartMoves 2045*

- » 10% of the Other Roads Construction & ROW can be used for off-system roads.
- » The Transportation Alternatives and Cost Feasible Plan does not account for Local Projected Revenues and State Transit (Block Grant).



Multimodal Project Priorities

- » Project ranking criteria is linked to the goals, objectives, and performance measures.
- » Each project ranking criterion has a corresponding point value and a project can score a maximum of 100 points.



Goals	Objectives	Project Ranking Criteria	Score
Support Economic Activity	Enable the efficient movement of people and goods on the roadway network	0.85 - 1.00 volume-to-capacity ratios	1
		1.00 - 1.20 volume-to-capacity ratios	3
		Greater than 1.20 volume-to-capacity ratios	5
		Is the project on the Designated Freight Network? Yes	5
	Optimize the management and operations of the transportation system	Is the project on the TSM&O Strategic Network/ATMS Network? Yes	4
	Maximize the efficiency and effectiveness of the current transit system and improve access to destinations that support economic growth	Does project increase service hours or frequency? Yes	3
Is the project within ¼ mile of a Major Activity Center(s)? Yes		3	
Provide travel choices	Encourage walking, cycling, and other micromobility options	Does project fill a gap/enhance existing sidewalk infrastructure? Yes	3
		Does project fill a gap/enhance existing multi-use pathways infrastructure? Yes	4
		Does project fill a gap/enhance existing bike lanes infrastructure? Yes	3
		Is the project on a transit route? Yes	5
	Improve transit accessibility	Is the project within 1/4 mile of a shared bike locations and/or within the area for designated areas for e-scooter riding? Yes	5
Maintain the transportation system	Maintain condition of existing roadway transportation assets	Does project improve pavement condition? Yes	5
		Does project improve bridge condition? Yes	5
	Maintain condition of existing transit assets	Does project replace aging fleet? Yes	10
Provide equitable, affordable, and sustainable urban mobility	Support healthy living strategies, programs, and improvements to create more livable communities	Does project add a sidewalk/multi-use pathways? Yes	3
		Does project add a bicycle lane? Yes	3
		Does project increase service hours or frequency? Yes	3
	Ensure community participation is representative	Attendance in public engagement from an Environmental Justice area? Yes	2
	Provide for transportation needs of transportation disadvantaged	Is project in an Environmental Justice area? Yes	5
	Make transportation investments that minimize impacts to natural environment and allocate resources toward mitigation	Project is not in an environmentally-sensitive area	2
		Project is in environmentally-sensitive area	1
	Improve transportation system's stability/resiliency in event of climate change, emergencies, or disasters	Is project a vulnerable roadway due to sea level rise? Yes	2
Improve safety and security	Improve safety and security in the Highway System	Does project address a motorized safety issue? Yes	10
	Improve safety and security in the Transit System (if applicable)		
	Improve safety and security in the Non-Motorized System	Does project address a non-motorized safety issue? Yes	10

Project Ranking Criteria

Top 10 Projects (all modes)

Rank	Project Type	Roadway Name	From	To	Points
1	Operational Improvement	US-1	Martin County Line	Indian River County Line	74
2	Bicycle Facilities	Orange Avenue	Kings Highway	US-1	65
2	Bicycle Facilities	US-1	Seaway Drive	Old US Highway 1	65
4	Bicycle Facilities	US-1	Gardenia Avenue	Orange Avenue	60
5	Bicycle Facilities	Port St. Lucie Boulevard	Gatlin Boulevard	US-1	56
6	Bicycle Facilities	N 25th Street	Virginia Avenue	Avenue E	55
6	Bicycle Facilities	US-1	Baysinger Avenue	Edwards Avenue	55
8	New Transit Services	Fort Pierce to South Hutchinson Island			53
9	Widen 4L to 6L	St. Lucie West Boulevard	E of I-95	Cashmere Boulevard	52
10	New Transit Services	Port St. Lucie Boulevard (Route 5 split)			50

Top 10 Projects (roadway)

Rank	Project Type	Roadway Name	From	To	Points
1	Operational Improvement	US-1	Martin County Line	Indian River County Line	74
9	Widen 4L to 6L	St. Lucie West Boulevard	E of I-95	Cashmere Boulevard	52
17	Neighborhood Traffic Management	Indian River Drive	Martin/St. Lucie County Line	Seaway Drive	47
18	Widen 2L to 4L	Kings Highway	St. Lucie Boulevard	South of Indrio Road	40
18	Widen 2L to 4L	Port St. Lucie Boulevard	Becker Road	Paar Drive	40
24	Widen 2L to 4L	Kings Highway	South of Indrio Road	US-1	37
28	Operational Improvement	Seaway Drive	Harbor Isle Marina	north of Blue Heron Boulevard	34
40	New 4L	Airport Connector	Florida's Turnpike	Kings Highway	30
40	Widen 2L to 4L	Midway Road	East Torino Parkway	Selvitz Road	30
46	Widen 2L to 4L	Jenkins Road	Altman Road	Orange Avenue	29

Top 10 Projects (bicycle facilities)

Rank	Roadway Name	From	To	Points
2	Orange Avenue	Kings Highway	US-1	65
2	US-1	Seaway Drive	Old US Highway 1	65
4	US-1	Gardenia Avenue	Orange Avenue	60
5	Port St. Lucie Boulevard	Gatlin Boulevard	US-1	56
6	N 25th Street	Virginia Avenue	Avenue E	55
6	US-1	Baysinger Avenue	Edwards Avenue	55
13	Port St. Lucie Boulevard	Becker Road	Darwin Boulevard	49
13	Prima Vista Boulevard	Banyan Drive	US-1	49
27	Indrio Road	Johnston Road	Kings Highway	35
28	25th Street	Orange Avenue	Avenue F	34

Top 10 Projects (pedestrian)

Rank	Roadway Name	From	To	Points
10	US-1	North Causeway Bridge	St. Lucie County/Indian River County Line	50
10	US-1	Traub Avenue	High Point Boulevard	50
13	Port St. Lucie Boulevard	Becker Road	Gatlin Boulevard	49
20	Old Dixie Highway	US-1 Junction	Kings Highway	39
28	Indrio Road	Kings Highway	Old Dixie Highway	34
28	Indrio Road	Aico Road	Kings Highway	34
35	25th Street	Industrial Avenue	US-1	32
35	Kings Highway	north of I-95	Indrio Road	32
51	53rd Street	Angle Road	Juanita Avenue	27
51	Floresta Drive	Southbend Boulevard	Prima Vista Boulevard	27

Top 10 Projects (transit)

Rank	Project Type	Roadway Name	Points
8	New Transit Services	Fort Pierce to South Hutchinson Island	53
10	New Transit Services	Port St. Lucie Boulevard (Route 5 split)	50
16	New Transit Services	Selvitz Road/Bayshore Boulevard	48
20	Improvements to Existing Service	Increase frequency from 60 minutes to 30 minutes on Route 2 & Route 3	39
20	Improvements to Existing Service	Expand service hours on Route 7 to reflect the other route schedules (currently 7 am – 6 pm)	39
20	Improvements to Existing Service	Expand Saturday service hours to reflect weekday span of service (currently 8 am – 12 pm/1 pm – 4 pm)	39
25	New Transit Services	Crosstown Parkway	36
25	New Transit Services	Passenger Train – Miami to Orlando	36
34	New Transit Services	Virginia Avenue	33
48	New Transit Services	Midway Road	28

Scenario Themes

- » Mix of investment in modes (Roadway, Bike, Walk, Transit).
- » Three funding scenarios considered
 - » Historical Trend
 - » Balanced
 - » Max Multimodal
- » Aspects common to all funding scenarios
 - » Strategic Intermodal System (SIS)
 - » Continued investment in partially-funded projects in the current TIP
 - » Transit operations and maintenance
 - » ACES Network – park-and-ride lots, EV charging stations, and transit connectivity
 - » Public-private partnerships

	Scenario 1 – Historical	Scenario 2 – Balanced	Scenario 3 – Max Multimodal
Roadway – Strategic Intermodal System (SIS)	<ul style="list-style-type: none"> • I-95 from Martin/St. Lucie County Line to south of Okeechobee Road – Widen 6L to 8L 	<ul style="list-style-type: none"> • I-95 from Martin/St. Lucie County Line to south of Okeechobee Road – Widen 6L to 8L 	<ul style="list-style-type: none"> • I-95 from Martin/St. Lucie County Line to south of Okeechobee Road – Widen 6L to 8L
Roadway – continued investment in Transportation Improvement Program (TIP) projects	<ul style="list-style-type: none"> ▪ Midway Road from East Torino Parkway to Selvitz Road – Widen 2L to 4L ▪ Kings Highway from St. Lucie Boulevard to south of Indrio Road – Widen 2L to 4L ▪ Port St. Lucie Boulevard from Becker Road to Paar Drive – Widen 2L to 4L 	<ul style="list-style-type: none"> ▪ Midway Road from East Torino Parkway to Selvitz Road – Widen 2L to 4L ▪ Kings Highway from St. Lucie Boulevard to south of Indrio Road – Widen 2L to 4L ▪ Port St. Lucie Boulevard from Becker Road to Paar Drive – Widen 2L to 4L 	<ul style="list-style-type: none"> ▪ Midway Road from East Torino Parkway to Selvitz Road – Widen 2L to 4L ▪ Kings Highway from St. Lucie Boulevard to south of Indrio Road – Widen 2L to 4L ▪ Port St. Lucie Boulevard from Becker Road to Paar Drive – Widen 2L to 4L
Transit Needs Plan	<ul style="list-style-type: none"> ▪ Maintain existing transit system – Fixed Route (Routes 1 – 8) and ADA/Paratransit ▪ Improvements to existing services ▪ New routes identified in TDP 	<ul style="list-style-type: none"> ▪ Maintain existing transit system – Fixed Route (Routes 1 – 8) and ADA/Paratransit ▪ Improvements to existing services ▪ New routes identified in TDP 	<ul style="list-style-type: none"> ▪ Maintain existing transit system – Fixed Route (Routes 1 – 8) and ADA/Paratransit ▪ Improvements to existing services ▪ New routes identified in TDP
Operational Improvements	<ul style="list-style-type: none"> ▪ US-1 from Martin County Line to Indian River County Line ▪ Seaway Drive from Harbor Isle Marina to north of Blue Heron Boulevard 	<ul style="list-style-type: none"> ▪ US-1 from Martin County Line to Indian River County Line ▪ Seaway Drive from Harbor Isle Marina to north of Blue Heron Boulevard 	<ul style="list-style-type: none"> ▪ US-1 from Martin County Line to Indian River County Line ▪ Seaway Drive from Harbor Isle Marina to north of Blue Heron Boulevard
Neighborhood Traffic Management	<ul style="list-style-type: none"> ▪ Torino Parkway ▪ Indian River Drive 	<ul style="list-style-type: none"> ▪ Torino Parkway ▪ Indian River Drive 	<ul style="list-style-type: none"> ▪ Torino Parkway ▪ Indian River Drive

	Scenario 1 – Historical	Scenario 2 – Balanced	Scenario 3 – Max Multimodal
Roadway Needs Plan	<ul style="list-style-type: none"> ▪ Airport Connector from I-95 to Kings Highway – New 4 Lanes ▪ Kings Highway from south of Indrio Road to US-1 – Widen 2L to 4L ▪ Jenkins Road from Midway Road to Orange Avenue – New 4L/ Widen 2L to 4L (<i>design funding only</i>) ▪ St. Lucie West Boulevard from I-95 to Cashmere Boulevard – Widen 4L to 6L ▪ Selvitz Road from Glades Cut-Off Road to Edwards Road – Widen 2L to 4L ▪ California Boulevard from Savona Boulevard to St. Lucie West Boulevard – Widen 2L to 4L (<i>design funding only</i>) 	<ul style="list-style-type: none"> ▪ Airport Connector from I-95 to Kings Highway – New 4 Lanes ▪ Kings Highway from south of Indrio Road to US-1 – Widen 2L to 4L ▪ Jenkins Road from Midway Road to Orange Avenue – New 4L/ Widen 2L to 4L (<i>design funding only</i>) ▪ St. Lucie West Boulevard from I-95 to Cashmere Boulevard – Widen 4L to 6L 	<ul style="list-style-type: none"> ▪ Airport Connector from I-95 to Kings Highway – New 4 Lanes ▪ Kings Highway from south of Indrio Road to US-1 – Widen 2L to 4L ▪ Jenkins Road from Midway Road to Orange Avenue – New 4L/ Widen 2L to 4L (<i>design funding only</i>)
Bicycle & Pedestrian Needs Plan	<p>\$10 million investment</p> <p>15 miles of bicycle facilities 20 miles of sidewalks</p>	<p>\$40 million investment</p> <p>60 miles of bicycle facilities 80 miles of sidewalks</p>	<p>\$76 million investment</p> <p>95 miles of bicycle facilities 180 miles of sidewalks</p>

Poll Question

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» **Which scenario would best benefit the St. Lucie community?**

Scenario 1 – Historical

Scenario 2 – Balanced

Scenario 3 – Max Multimodal

Next Steps

- » Refine the Cost Feasible Plan
- » Prepare for the adoption of *SmartMoves 2045* by February 2021

For Further Information, Contact Us

Yi Ding

Project Manager

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Marceia Lathou, AICP

Title VI Coordinator

lathoum@stlucieco.org

*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.*



**Please send your
questions through
the chat!**

If you dialed in and would like to speak, use the keypad and press *6 to unmute and *6 again to mute after you speak.