



PARTNERS FOR WHAT'S POSSIBLE

MULTIMODAL IDEAS FROM FLORIDA

- Stats
- Planning
- Funding
- Policies
- Partnerships & Education
- Multimodal Projects
- Multimodal Development
- Future Considerations



Transportation decisions in Florida are made by an array of partners, including:

- ◆ Florida Department of Transportation (7 Districts, Central Office)
- ◆ 27 metropolitan planning organizations
- ◆ 10 regional planning councils
- ◆ 67 counties
- ◆ 411 cities
- ◆ 53 transit operators
- ◆ 15 public seaports
- ◆ 129 public airports
- ◆ 2 spaceports
- ◆ many other authorities and special districts
- ◆ private sector entities.

Florida Transportation Plan

<http://floridatransportationplan.com/>

GOALS

Safety & Security

Infrastructure

Mobility

Transportation Choices

Economic Competitiveness

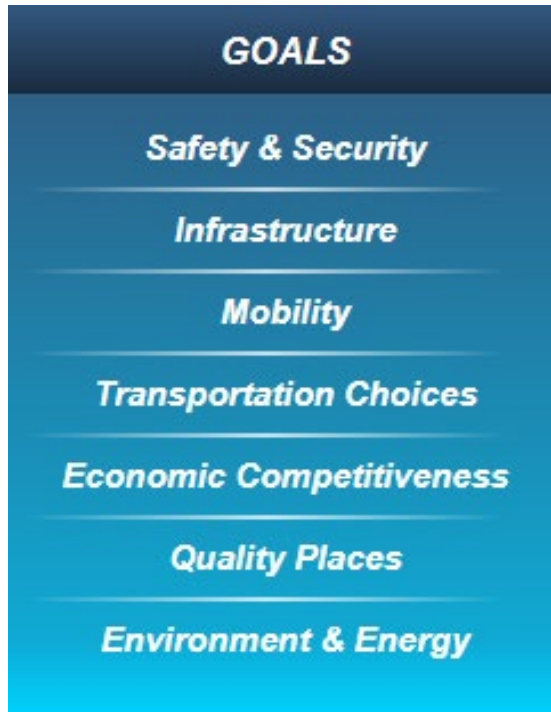
Quality Places

Environment & Energy

More Transportation Choices for People and Freight

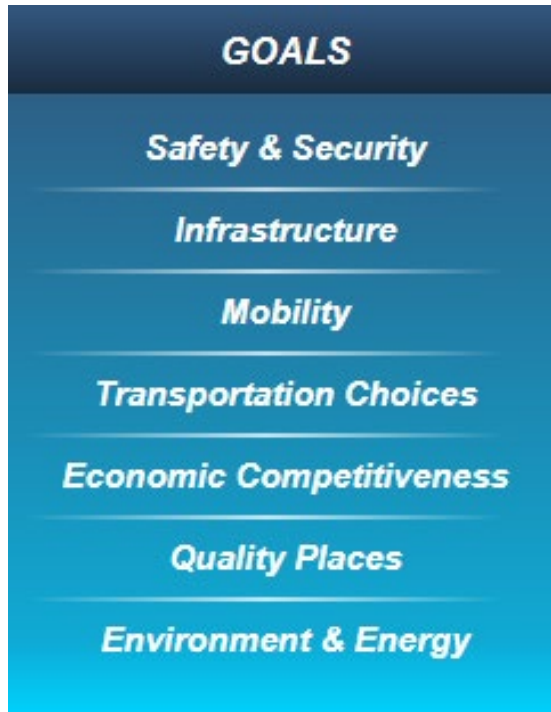
- ◆ New mobility solutions and business models such as automated, connected, and shared vehicles are emerging.
- ◆ Walking
- ◆ Bicycling, including buffered bike lane
- ◆ Mixed use paths and off-road trails
- ◆ Sidewalks
- ◆ Americans with Disabilities Act (ADA)-compliant waiting areas for transit riders.

Florida Transportation Plan



- ◆ SunRail is a passenger rail system serving Central Florida. Once fully developed, SunRail will include 17 stations on a 61-mile corridor.
- ◆ Plan and develop transit, bicycle paths, and trails to deliver people within walking distance of trip destinations.
- ◆ Provide additional options for shorter distance trips, such as circulators and on-demand transit, that reflect regional and community visions.
- ◆ Improve the efficiency and convenience of connections among local transit systems, between local and regional transit systems, and between transit and other modes.
- ◆ Improve public transportation services within rural areas and between rural and urban areas.

Florida Transportation Plan



- ◆ Expand interregional travel options for residents, visitors, and freight, including improved intrastate air, rail, transit, and water transportation services.
- ◆ Improve connectivity of data, technology, and business processes between transportation modes and systems.
- ◆ Support research, development, and testing of automated and connected vehicles and other emerging technologies.
- ◆ Accommodate telework, telepresence, distance learning, distance medicine, and similar approaches for using communications technologies to substitute for travel.

Florida Department of Transportation (FDOT)

Transportation Set Aside Program to promote Transportation Alternatives

Fiscal Year	2016	2017	2018	2019	2020
Authorization	\$835 M	\$835 M	\$850 M	\$850 M	\$850 M

- ◆ Pedestrian Infrastructure
- ◆ Bike Share Infrastructure
- ◆ Trail Amenities
- ◆ Lighting
- ◆ Safe Routes To School
- ◆ Rails To Trails
- ◆ Turnouts, Overlooks, Viewing Areas
- ◆ Removal of Outdoor Advertising
- ◆ Historic Preservation
- ◆ Vegetation Management
- ◆ Archeological Activities
- ◆ Environmental Mitigation

- ◆ FDOT Complete Streets Policy and Implementation Documents
 - ❖ <https://www.fdot.gov/roadway/csi/default.shtm>
- ◆ Polk County and all 17 municipalities in Polk have adopted a Complete Streets Handbook that is used to coordinate funding countywide for the Complete Streets approach to provide needed mobility infrastructure in Polk.
- ◆ In total, 73 agencies throughout Florida have implemented some form of Multimodal/Complete Streets guideline, resolution, policy or plan.

FDOT's Multimodal Transportation District

- ◆ Facilitate the use of multiple modes of transportation, leading to a reduction in automobile use and vehicle miles traveled.
- ◆ According to FDOT, "a multimodal transportation district is an area where primary priority is placed on assuring a safe, comfortable, and attractive pedestrian environment, with convenient interconnection to transit...Common elements include the presence of mixed-use activity centers, connectivity of streets and land uses, transit-friendly design features, and accessibility to alternative modes of transportation."

The Florida Bicycle and Pedestrian Partnership (FBPP)

- ◆ Statewide partnership created to improve bicycle and pedestrian mobility and safety by facilitating information sharing, networking, and partnerships that support bicycle-and pedestrian-friendly policy development and implementation in the areas of culture change, completing the system, health, and safety.

1000 Friends of Florida - <https://1000fof.org/>

- ◆ The state's leading not-for-profit smart growth advocacy organization, 1000 Friends of Florida is building better communities and saving special places in one of the fastest growing states in the nation.

Mobility Week – Oct/Nov

- ◆ Mobility Week, successfully launched in 2016 in Central Florida, is an annual collection of outreach events intended to bring attention to safe multimodal transportation choices. The success of the Central Florida region in bringing together regional partners to promote the message of safety and multimodal transportation, prompted the expansion of the initiative statewide in 2018.
- ◆ During Mobility Week, cities, counties, and transportation partner agencies host events to promote transportation choices, highlight transportation achievements, and roll out new initiatives or policies.

MULTIMODAL PARTNERSHIPS & EDUCATION



Streetmix - <http://www.streetmix.net/-/1042107>



MULTIMODAL PARTNERSHIPS & EDUCATION



Streetmix

Welcome to Streetmix.

Design, remix, and share your neighborhood street. Add trees or bike paths, widen sidewalks or traffic lanes, learn how your decisions can impact your community.

Start by moving some segments around with your mouse.

Turn lane [Remove]

3m

1.8 m	0.6	2.7 m	0.6	3.6 m	2.7 m	0.9 m	3 m	2.1 m	1.2 m	1.8 m	0.6	0.6	1.8 m
Sidewalk	Si...	Transit shelter	L...	Shared bus/bike lane	Drive lane	Pla...	Turn lane	Parking lane	Plant...	Bike lane	L...	Si...	Sidewalk

MULTIMODAL PARTNERSHIPS & EDUCATION



Streetmix

The screenshot shows the Streetmix website interface for a street named "Unnamed St". The interface includes a navigation bar with "Streetmix", "Help", "Contact", "Donate", and "Store". On the right, there are links for "New street", "Settings", "Share", and "Sign in". The main content area displays a street layout with various transportation modes and dimensions. A "Planter box" tool is visible, allowing users to add and adjust planter boxes. The street layout includes a sidewalk, transit shelter, shared bus/bike lane, drive lane, parking lane, and bike lane. The dimensions for each section are listed below the street layout.

Section	Width (m)
Sidewalk	1.8
Si...	0.6
Transit shelter	2.7
L...	0.6
Shared bus/bike lane	3.6
Drive lane	2.7
Pla...	0.9
Turn lane	3
Parking lan	2.1
Planter box	1.2
Bike lane	1.8
L...	0.6
Si...	0.6
Sidewalk	1.8

Rosery Road Phase I Improvements City of Largo, Florida

- ◆ 0.80-mile segment of Rosery Road from the Pinellas Trail to the Missouri Avenue.
- ◆ City had two goals for the Community Street Network:
 - ❖ Improving community streets to provide safe and efficient routes from neighborhoods to local destinations
 - ❖ Accommodating growth by improving mobility for all users, especially pedestrians and bicyclists.
- ◆ Existing roadway lacks bicycle facilities, has a narrow rural section with inadequate shoulder, and substandard sidewalk and crosswalk facilities.
- ◆ Project will improve bicycle and pedestrian level of service, and safety, through retrofit of a modified roadway section, including curb, sidewalk, bicycle facilities, intersection improvements, utility improvements, roadway reconstruction, CSX crossing upgrades, improved traffic circulation, street trees, and enhanced drainage and stormwater facilities.
- ◆ Estimated Completion January 2021

Rosery Road Phase I Improvements City of Largo, Florida



South Central Park & Streetscapes Improvements Winter Haven, Florida

- ◆ Pennoni developed a revised Master Plan and redesign for improvements in the City's South Central area and adjacent streets.
- ◆ The project area included portions of six City streets including 3rd, 4th, and 5th Streets, along Central Avenue, Avenue A SW, and Magnolia Avenue SW.
- ◆ The multi-functional use design approach allowed the area to be used during the weekday as a typical business-oriented urban environment, while the streets in a multiple block area can be closed to vehicular traffic with retractable bollards and converted after hours into a flat piazza event space for community use.
- ◆ Infrastructure accommodations (power, water, lighting, etc) were strategically designed to facilitate a variety of venues such as concerts and other entertainment via a mobile stage unit, art shows, markets, and other community events.
- ◆ A Road diet was designed along Avenue A SW to remove an extra wide section and provide on-street parking, landscaping, and multi-use path.
- ◆ Magnolia Avenue SW was changed from a street to a pedestrian only area with LED lighting and large swings that connected the Chain of Lakes Trail to the 3rd Street SW Trail

South Central Park & Streetscapes Improvements Winter Haven, Florida



South Central Park & Streetscapes Improvements Winter Haven, Florida



The Villages

Community Development Districts

- ◆ Promote that every amenity is a golf cart ride away!
- ◆ Multimodal Paths throughout the Villages
- ◆ Golf Cart Safety Video
- ◆ Golf Cart Rules of the Road
- ◆ Restaurants, Entertainment, Shopping, Medical, Fitness, etc



Autonomous vehicles

- ◆ In early 2018, The Villages was chosen for a pilot program offering autonomous taxis in the area of Lake Sumter Landing. In the early stages of the program, the vehicle will have a safety driver in the driver's seat and later the driver will be removed, and the automobile would be monitored from a control station.

MULTIMODAL DEVELOPMENT



The Villages[®]
Community Development Districts



- ◆ Complete Streets versus Traditional Multimodal
- ◆ Water based options including Ferries and Water Taxis in multiple locations
- ◆ Privately backed new technologies for multimodal considerations Including:
 - ❖ Hyperloop
 - ❖ Maglev
 - ❖ Ariel pods/gondolas
- ◆ 5G emerging and smart applications being employed as new way of making multimodal options more transparent and acceptable thru easier programing, scheduling, tracking, paying apps and improving safety and attractiveness.

THANK YOU FOR YOUR INTEREST

QUESTIONS?

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