

# UPDATE OF THE FLORIDA TRANSPORTATION PLAN

*October 2019 (revised)*



**FLORIDA**  
Transportation Plan



# WHAT IS THE FLORIDA TRANSPORTATION PLAN?

- ▶ Florida's long-range transportation plan
- ▶ A plan for all of Florida
- ▶ Provides policy guidance for all transportation partners
- ▶ Establishes a policy framework for expenditure of state and federal transportation funds



# WHY DOES THE FTP MATTER?



*GUIDING TRANSPORTATION  
DECISIONS*

**TODAY**

*TO ACHIEVE OUR VISION FOR*  
**TOMORROW**



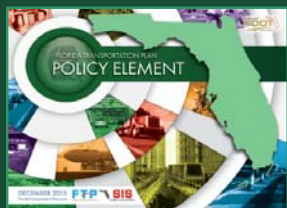
# FTPs HAVE RESHAPED FLORIDA



- **2020 FTP (2000)**
  - » Creation of Strategic Intermodal System



- **2025 FTP (2005)**
  - » Emphasis on regional visioning and collaboration



- **Current FTP (2015)**
  - » Added 'Choices' as a new Goal
  - » Added 'Resilient' to the Goals



- **2060 FTP (2010)**
  - » Alignment with Florida Strategic Plan for Economic Development
  - » Investments in trade and logistics; FMTP
  - » Maximizing use of existing facilities (e.g. managed lanes)
  - » Future Corridor Planning Process
- » Greater emphasis on Workforce
- » Greater focus on implementation
- » Renewed emphasis on Safety and alignment with the SHSP

# FLORIDA TRANSPORTATION PLAN



## Vision Element

Trends, uncertainties, and themes that will shape the future of transportation in Florida (50 years)



## Policy Element

Goals and objectives to guide the Florida Department of Transportation and partners toward the vision (25 years)



## Implementation Element

Emphasis areas with key actions (5-25 years)

# FTP GOALS & CROSS-CUTTING TOPICS

Technology

Resilience

State and  
Interregional

Regional and  
Local



***Safety and security***



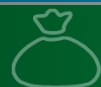
***Agile, resilient, and quality transportation infrastructure***



***Connected, efficient, and reliable mobility***



***Transportation choices***



***Strengthen Florida's economy***



***Enhance Florida's communities***



***Enhance Florida's environment***



# FTP GOALS & CROSS-CUTTING TOPICS

## Technology

- » Automated, connected, electric & shared vehicles
- » Transportation system management & operations
- » Big data
- » New materials & processes

## Resilience

- » Extreme weather events
- » Emergency evacuation & emergency response
- » Sea level rise, flooding
- » Economic or societal changes

## State and Interregional

- » SIS, including modal facilities
- » Trade & logistics
- » Multi-use/ multi-modal facilities
- » Global, statewide, interregional connectivity

## Regional and Local

- » Urbanized, non-urbanized, rural
- » Congestion relief
- » Land use/ community planning
- » Regional visions

# FTP SUBCOMMITTEES

## ▮ 3 subcommittees

- » Automated, Connected, Electric, and Shared (ACES)
  - <http://www.floridatransportationplan.com/aces.htm>
- » Resilience
  - <http://www.floridatransportationplan.com/resilience.htm>
- » Safety
  - [http://www.floridatransportationplan.com/safety\\_committee.htm](http://www.floridatransportationplan.com/safety_committee.htm)

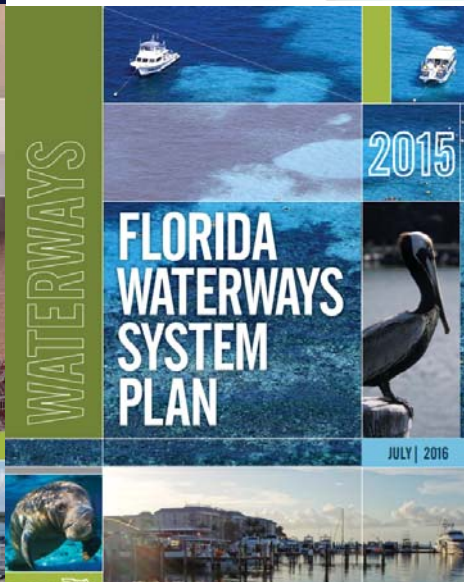
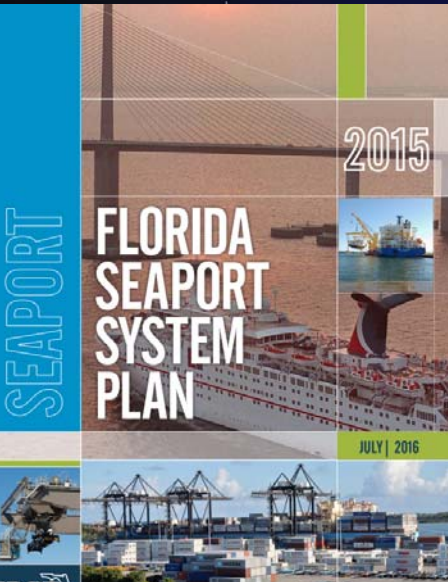
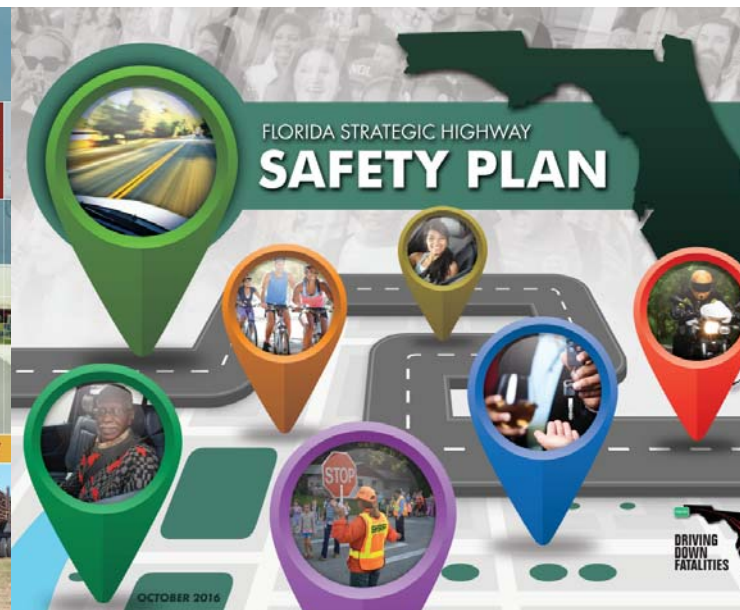
## ▮ Representatives of the steering committee organizations make up the members

## ▮ Others can become “friends” of the subcommittees

- » Receive updates on subcommittee activities
- » Attend and participate at meetings

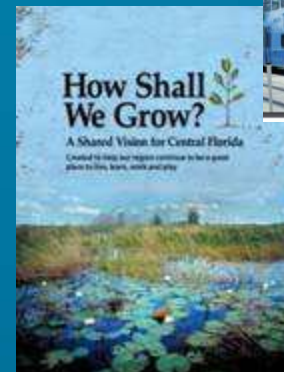
## ▮ Become a friend of the subcommittees and stay engaged





# RELATED PARTNER EFFORTS

- ▶ **Metropolitan Planning Organizations (MPOs)**
  - » Long Range Transportation Plans
- ▶ **State Agency Plans/Initiatives**
  - » DEO, DEP, Enterprise Florida, Space Florida, etc.
- ▶ **Local Governments**
  - » Comprehensive Plans, etc.
- ▶ **Regional Planning Councils**
  - » Strategic Regional Policy Plans
- ▶ **Modal Partners**
  - » Transit, expressway, seaport, airport and other authorities
- ▶ **Regional and Community Visions**



# Trends in Resilience





Nearly

**170** COASTAL  
COMMUNITIES

*in the U.S. are projected to experience*

**FLOODING** *more than*

**26 TIMES**

**PER YEAR**

*by 2035*

*Florida is among the*

**TOP 10** STATES MOST  
IMPACTED BY  
**WILDFIRES**

*Since 2000,*

**TIDAL FLOODING**

*across Florida has*

**INCREASED BY 352%**

*In 2018,*  
**GLOBAL MEAN  
SEA LEVEL**

*was*

**3.2 INCHES  
ABOVE**

*the 1993 average*

*Florida has been impacted by*

**40%**  
**OF ALL U.S.**  
**HURRICANES**

*Approximately*

**6 MILLION PEOPLE EVACUATED**  
*during Hurricane Irma, THE LARGEST EVACUATION IN U.S. HISTORY*

*The amount of*

**PRECIPITATION**  
*during heavy rainstorms has*  
**INCREASED BY**

**27%** *in the Southeast*  
*over the last 60 years*

*By mid-century, the Southeast*  
*is expected to experience up to*

**50 MORE DAYS**  
*per year of temperatures exceeding*  
**90 DEGREES**

The increasing

**GLOBAL INTEGRATION** of Florida's economy means our **TRADE, TOURISM, & OTHER INDUSTRIES** can be impacted by recessions, instability, and supply chain disruptions around the world



According to the Florida Chamber Foundation, the likelihood of a

**RECESSION WITHIN 9 MONTHS**

has been **INCREASING** since May of **2019**



There is an estimated

**\$1.2 TRILLION NATIONAL GAP**

in **TRANSPORTATION INFRASTRUCTURE NEEDS** through **2050**, even before considering climate impacts



**LONG-HAUL FREIGHT** is expected to **INCREASE**

**40%** by **2040**





## INLAND FLOODING threatens as many as **4,600 BRIDGES ACROSS THE U.S.**

and is anticipated to result in average annual  
**DAMAGES OF UP TO  
\$1.4 BILLION** by 2050



## **3** MAJOR FLORIDA AIRPORTS

have at least one runway that is vulnerable to

**MODERATE TO HIGH  
STORM SURGE**



Nationally, the **TOTAL ANNUAL DAMAGES** from  
**TEMPERATURE & PRECIPITATION-RELATED**  
damages to paved roads are estimated at up to

# **\$20 BILLION**



In 2017, a **CYBERATTACK**  
at CSX's Jacksonville headquarters

**SHUT DOWN RAILROAD SIGNALING,  
DISPATCHING, & OTHER SYSTEMS**

across 23 states

# WEBPAGE FOR RESILIENCE CAMPAIGN



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## Florida Transportation Plan (FTP)

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### Resilience



< Cross-Cutting Topics

#### TECHNOLOGY

Will technology change how  
and when we travel?

#### RESILIENCE

How do we prepare our transportation system  
for, and recover from, weather, environmental,  
economic, and operational disruptions?

#### STATE/INTERREGIONAL

How do we improve the state's  
most strategic transportation  
systems?

#### REGIONAL/LOCAL

What regional or local  
needs should we consider?

*We want to hear from you! Below is information about trends in resilience and resources to pique your understanding about why resilience matters in planning the future of transportation. We invite you to share your thoughts and ideas on resilience and how it will change transportation in the future using the red button below.*

#### Why Resilience Matters

Natural hazards, cyberattacks, and other events can have significant and unexpected impacts on Florida. Simultaneously, trends such as sea level rise and global economic shifts can lead to progressive challenges. These events and trends can result in unanticipated transportation system disruptions and increasing constraints on infrastructure, impeding access to reliable mobility. The impact on the lives of residents and visitors and the flow of business and trade can be extensive. It is critical to prepare Florida's transportation system to be adaptive in the face of these events and trends. Planning for resilience leverages our understanding of potential hazards to mitigate risk, make wiser investment decisions, and provide more reliable transportation. Many partners play an important role in shaping the collective efforts to make Florida's transportation system resilient.

- FTP and Resilience presentation (coming soon)
- Resilience Trends handout

**What Are Your Thoughts and  
Ideas on Resilience?  
(click here)**

#### Resources

##### Environmental:

- Webinars:
  - Federal Highway Administration: [Resilience Webinars](#)
- Videos:
  - TED Talk: [Seven Principles for Building Better Cities](#)
  - TED Talk: [How We Can Design Timeless Cities for Our Collective Future](#)
- Guidance:
  - 100 Resilient Cities: [100 Resilient Cities Network Publications](#)
  - Federal Highway Administration: [Integrating Resilience into the Transportation Planning Process White Paper on Literature Review Findings](#)
  - Transportation Research Board: [Resilience in Transportation Planning, Engineering, Management, Policy, and Administration](#)
- Research:
  - Transportation Research Board: [Systems Resilience and Climate Change](#)
  - Transportation Research Board: [Building and Measuring Community Resilience: Actions for Communities and the Gulf Research Program](#)
- Tools:
  - Florida Department of Transportation / University of Florida GeoPlan Center: [Sea Level Scenario Sketch Planning Tool](#)
  - [GulfTree](#): [GulfTree](#)



# WHAT WILL WE DO WITH YOUR INPUT?



Input is received at meetings, online, through survey, etc.

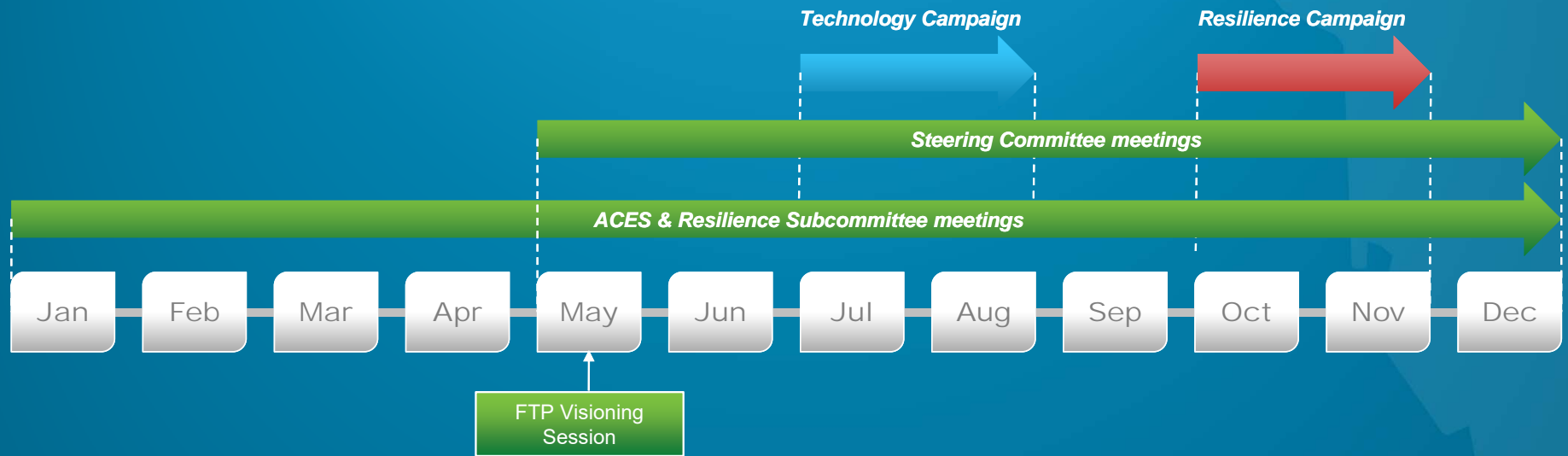


Provided to the FTP Steering Committee and Subcommittees for review and consideration



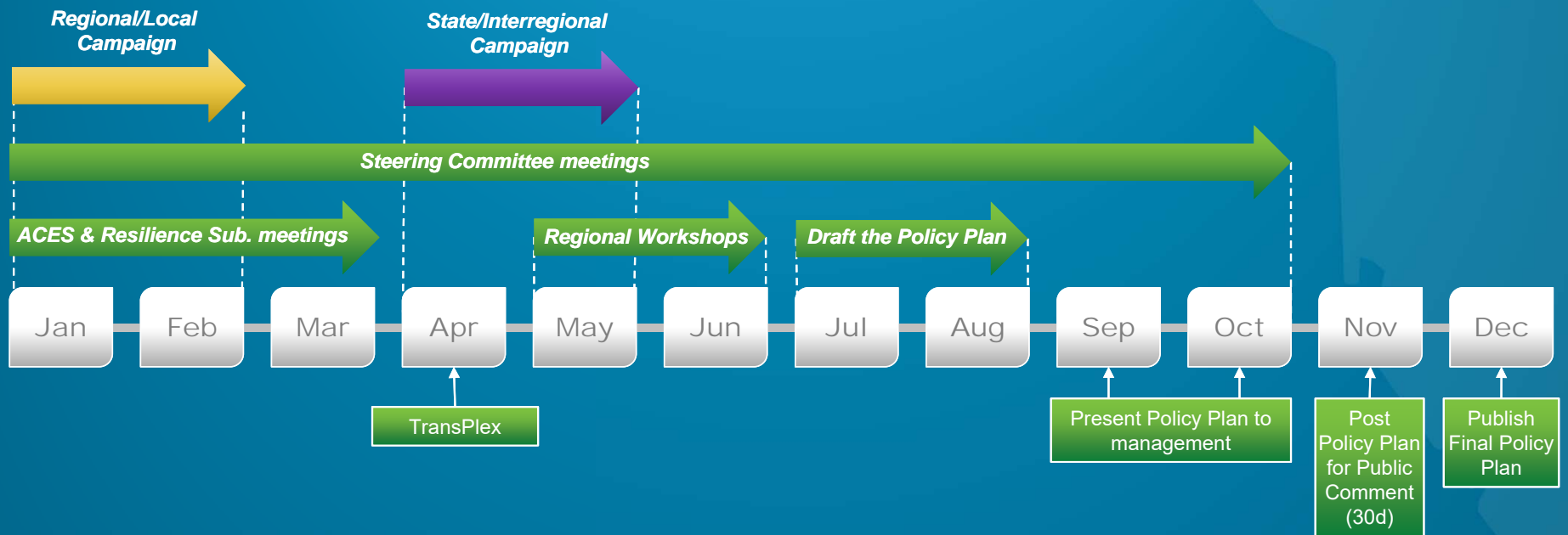
Based on applicability, your input is used to shape the plan

# FTP EVENTS, MEETINGS & CAMPAIGNS



2019

# FTP EVENTS, MEETINGS & CAMPAIGNS



2020

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## Florida Transportation Plan (FTP)

Home /  
**Summary**



**FTP Overview**

**FTP Update**

*Steering Committee*

*ACES Subcommittee*

*Resilience Subcommittee*

*Cross-Cutting Topics*

*Technology*

*Resilience*

*State/Interregional*

*Regional/Local*

*Long Range Visioning Session*

**Get Involved**

*Share Your Thoughts & Ideas*

*Join Us at an FTP Event*

*Become a Subcommittee Friend*

*Request a Presentation from FDOT*

*General Feedback Comment Form*

**FTP Implementation**

### Florida Transportation Plan Overview

The Florida Transportation Plan (FTP) is the state's long-range plan guiding Florida's transportation future. The FTP is a plan for all of Florida – and affects every resident, business, and visitor.

The FTP is important because it not only sets a long-range vision for the future, but it guides transportation decisions today. It considers how we will:

- Attain our goal of zero fatalities on Florida's transportation system.
- Provide a more efficient and mobile transportation system.
- Meet the needs of a growing and changing population.
- Make our economy more competitive.
- Enhance the quality of life and environment of Florida's communities.
- Increase opportunities for access to transit and other modes of transportation.
- Address emerging issues such as the rapid changes in technology.



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02:13

The Florida Department of Transportation (FDOT) and its partners are updating the FTP, and we want you to [get involved](#). As we develop the next FTP, we want to hear from you to understand the transportation issues and concerns that are most important to Floridians.

Click here to share your values and preferences

[www.floridatransportationplan.com](http://www.floridatransportationplan.com)





# TELL US WHAT YOU THINK!

- ▶ **What resilience trends should we consider as we are reviewing the seven goals of the Florida Transportation Plan?**
- ▶ **How will these hazards affect the transportation system?**
- ▶ **What resilience – mitigation, adaptation, response, recovery – strategies should we consider, particularly in the context of achieving the seven goals of the FTP?**

Please provide your thoughts [here](#).



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