

UPDATE OF THE FLORIDA TRANSPORTATION PLAN

presented to

presented by

October 3, 2019



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

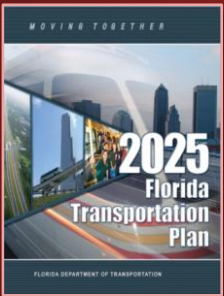
TO ACHIEVE OUR VISION FOR
TOMORROW



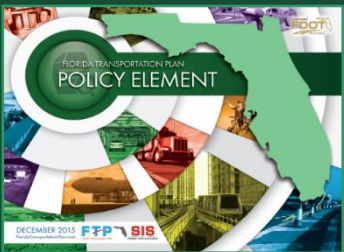
FTPs HAVE RESHAPED FLORIDA



- ▶ **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

▮ 2 subcommittees

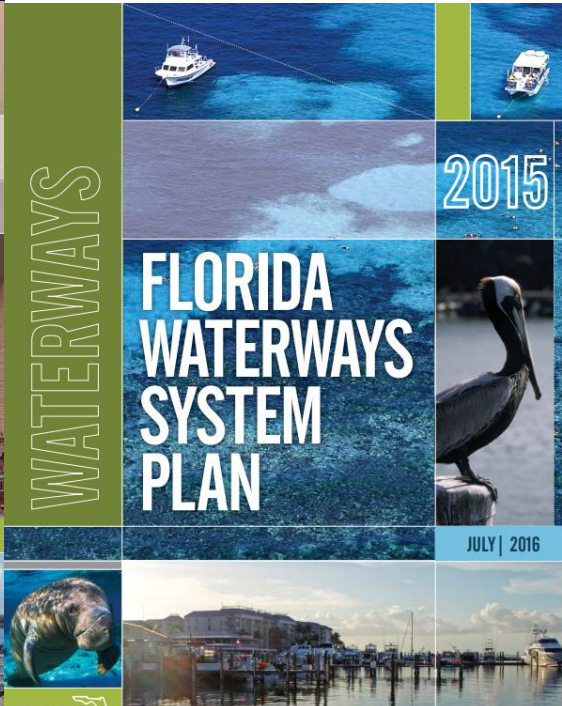
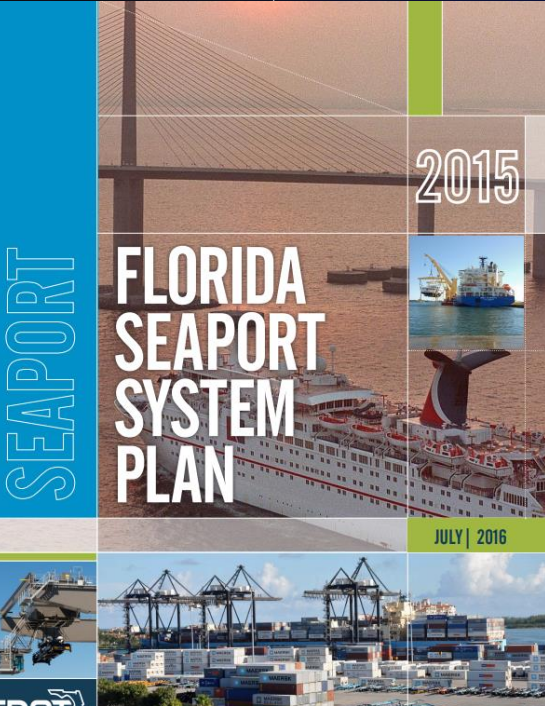
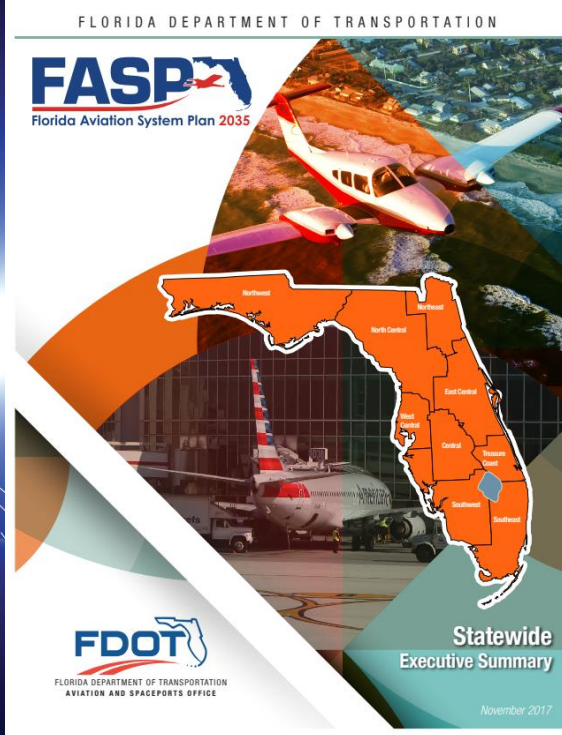
- » Automated, Connected, Electric, and Shared (ACES)
 - <http://www.floridatransportationplan.com/aces.htm>
- » Resilience
 - <http://www.floridatransportationplan.com/resilience.htm>

▮ Representatives of the steering committee organizations make up the members

▮ Others are able to become “friends” of the subcommittees

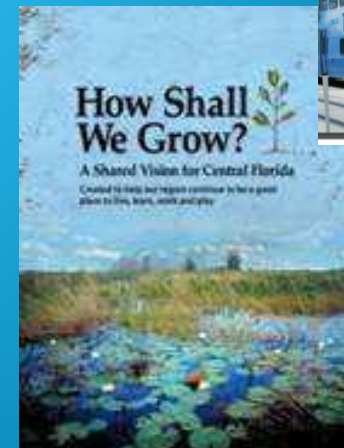
- » Receive updates on subcommittee activities
- » Attend and participate at meetings

▮ 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**

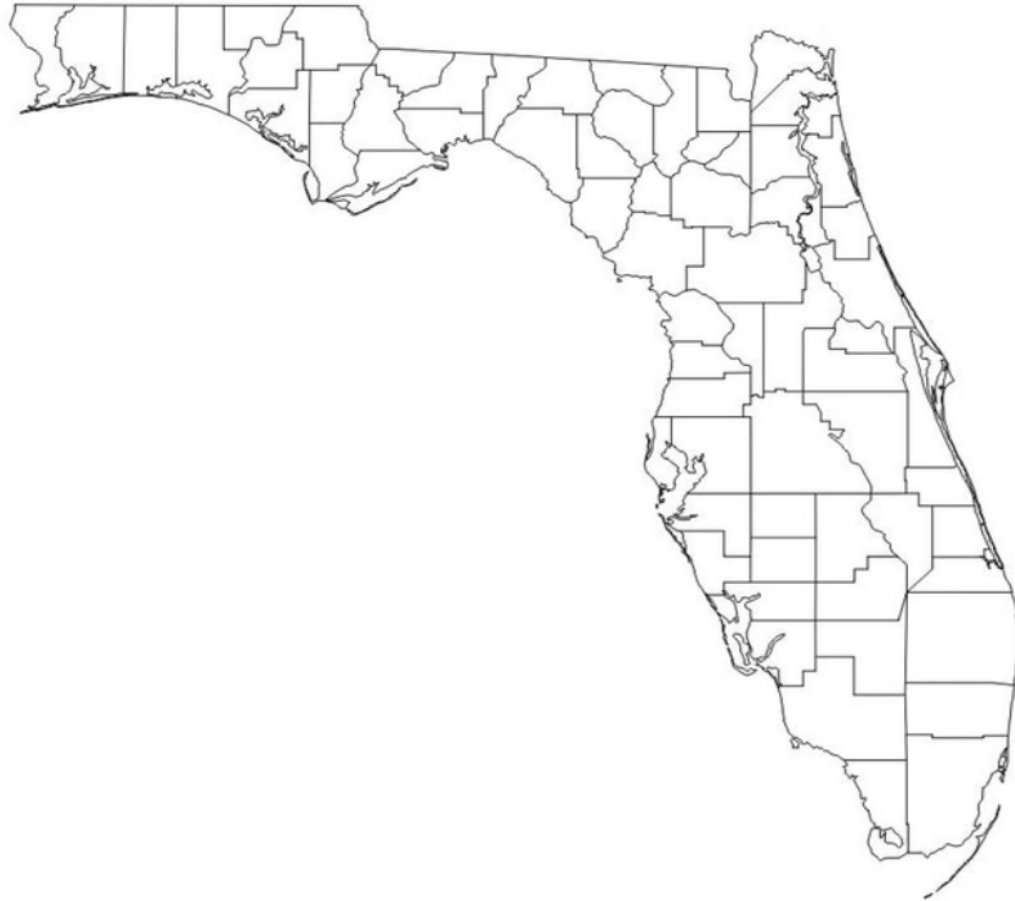


SHARING OUR IDEAS

- ▶ **Poll Everywhere – multiple ways to access the polls:**
 - » Visit www.pollev.com/FTP2045 from your phone, tablet, or laptop to access the polling questions
 - » Text “FTP2045” to 22333 to join the poll and respond to the polls via text message
 - » Scan the QR code to the right to go directly to the website
 - » Important note: A record of the poll responses will be kept for statutory records retention requirements



Where do you live? (select on map)



Start the presentation to see live content. Still no live content? Install the app or get help at [PollEv.com/app](https://www.poll-ev.com/app)

Who do you represent?

City/County
Government

MPO/RPC/TPO

Other State Government

Private Industry Partner

Private Citizen

Non-Governmental
Industry Organization

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Trends in Resilience



Nearly

170 COASTAL COMMUNITIES

in the U.S. are projected to experience

FLOODING *more than*

26 TIMES PER YEAR

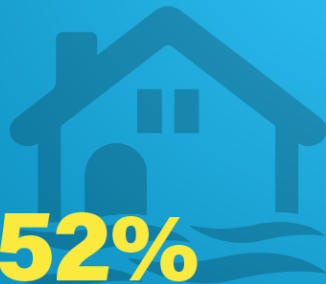
by 2035

Since 2000,

TIDAL FLOODING

across Florida has

INCREASED BY 352%



Florida is among the

TOP 10 STATES MOST IMPACTED BY WILDFIRES



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**

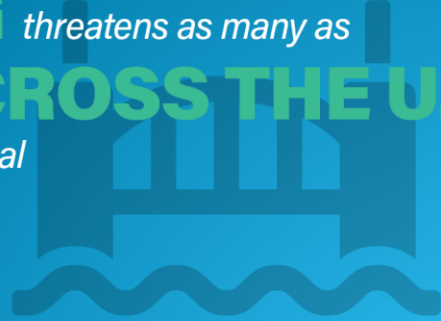
40% by **2040**



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*



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

\$20 BILLION

3 MAJOR FLORIDA AIRPORTS

have at least one runway that is vulnerable to

**MODERATE TO HIGH
STORM SURGE**



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

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

across 23 states

WEBPAGE FOR RESILIENCE CAMPAIGN

Florida Transportation Plan (FTP)

Home / FTP Update / Cross-Cutting Topics

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 is the top trend or disruptor affecting Florida's transportation system?

Extreme Heat

Flooding

Hurricanes / Extreme Storms

Poor or Inoperable Infrastructure

Sea Level Rise

Storm Surge

Technology Interruption or Failure

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What are the benefits of planning for a resilient transportation system?

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What are some of the challenges for Florida to overcome to increase the resilience of the transportation system?

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What are effective strategies that could be implemented as part of the Florida Transportation Plan to make Florida's transportation system more resilient?

Start the presentation to see live content. Still no live content? Install the app or get help at PollEv.com/app

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

STAY CONNECTED



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](#)
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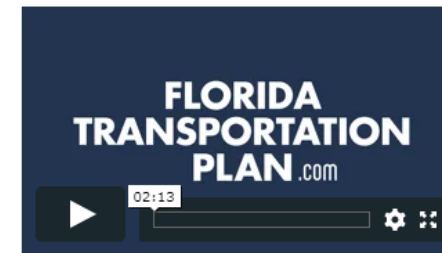
FTP Implementation

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.



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

QUESTIONS?

PRESENTER

District

Florida Department of Transportation

Email address

Phone number

www.fdot.gov/planning/policy

