TRANSPORTATION RESILIENCE INITIATIVES

presented to
Resilient Florida Workshop

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August 9, 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

Floridatransportationplan.com
FTP\textsuperscript{s} HAVE RESHAPED FLORIDA

\textbf{2020 FTP (2000)}
- Creation of Strategic Intermodal System

\textbf{2025 FTP (2005)}
- Emphasis on regional visioning and collaboration

\textbf{Current FTP (2015)}
- Added ‘Choices’ as a new Goal
- Added ‘Resilient’ to the Goals
- Renewed emphasis on Safety

\textbf{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
<table>
<thead>
<tr>
<th>Technology</th>
<th>Resilience</th>
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<td><strong>Safety and security</strong></td>
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<td><strong>Agile, resilient, and quality transportation infrastructure</strong></td>
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<td><strong>Efficient and reliable mobility</strong></td>
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<td><strong>More transportation choices</strong></td>
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<td><strong>Economic competitiveness</strong></td>
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<td><strong>Quality places to live, learn, work, and play</strong></td>
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<td><strong>Florida’s environment and energy conservation</strong></td>
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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

Statewide 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

- Automated, Connected, Electric, and Shared (ACES)
- Resilience

» Members and Friends
» Become a friend of the subcommittees and stay engaged
FEDERAL AND STATE GUIDANCE

Fixing America’s Surface Transportation (FAST) Act:
- Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts
- Reduce vulnerability of existing infrastructure

Florida Transportation Plan (FTP):
- Agile, Resilient, and Quality infrastructure

Resilience (FTP):
- The ability for the transportation system to absorb the consequences of disruptions, to reduce the impacts of disruptions and maintain mobility.

Transportation Asset Management Plan (TAMP)
- Risk assessment includes sea level rise and other hazards
RESILIENCE INITIATIVES

- Florida Transportation Plan Update
- Research
- Sea Level Scenario Sketch Planning Tool
- Strategic Intermodal System Risk Assessment
- Interagency Coordination
- National/statewide scan
- Guidance for MPOs
RESILIENCE – TRENDS & RISK AREAS

- Risk in Transportation Planning
  - Population
  - Economics
  - Environment
  - Technology
  - Global Issues

- Implications for FTP and Project Planning

- Upcoming Research
SEA LEVEL SCENARIO SKETCH PLANNING TOOL

- Assess potential impacts of sea level rise on transportation system
- On-line map viewer and ArcGIS sea level rise calculator
- Used by FDOT, MPOs, regional planning councils, local governments
- Next steps: update tool to reflect newer sea level rise projections and update training materials
FDOT DISTRICTS

- **District 4** (Indian River to Broward)
  - Partnerships
  - Tools and Data
  - Transportation Planning: SIS Priorities and MPO Long Range Transportation Plans

- **District 7** (Citrus to Hillsborough/Pinellas)
  - Partnerships: Resilient Tampa Bay, FHWA Pilot Project

- **District 5** (Central Florida)
  - Transportation Resilience Primer

- **District 6** (Miami-Dade and Monroe)
  - Coastal Storm Risk Management Study for Florida Keys (Army Corps of Engineers)
STORMS AND SEA LEVEL RISE

Hurricane Sandy - SR A1A in Fort Lauderdale
STORMS AND SEA LEVEL RISE

Permanent Project Reflecting Resiliency and Community: SR A1A in Fort Lauderdale
STORMS AND SEA LEVEL RISE

And later…. Road survived Hurricane Irma
POLLEVERYWHERE SURVEY

3 ways to access the poll:

1. Use www.pollev.com/FTP2045 or
2. Text FTP2045 to 22333 or
3. Scan the QR code:
What are effective strategies to make Florida's transportation system more resilient?