Exploring Florida’s Transportation Future

presented to
Committee for a Study of Future Interstate Highway System

presented by
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Outline

- Overview of the Florida Transportation Plan
- Scenario Planning in the FTP
  - Background
  - Approach
  - Results
Florida Transportation Plan

- Florida’s long-range transportation plan
- A plan for all of Florida
- Defines policy framework and launches key initiatives
Florida’s Transportation System

State Highways
12,099 Centerline Miles
6,783 Bridges

Local Roads
107,674 Centerline Miles
5,091 Bridges

Public Transit
30 Urban Transit Systems
23 Rural Transit Systems

Bicycle/Pedestrian Network
7,282 Miles of Bicycle Facilities
3,286 Miles of Pedestrian Facilities

Rail
2,753 Railway Miles

Seaports/Waterways
15 Public Seaports
3,475 Miles of Intracoastal and Inland Routes

Aviation
780 Airports
129 Public General Aviation
19 Commercial
651 Private General Aviation

Spaceports
2 Spaceports
10 Launch Facilities
Partner and Public Outreach Process

- 35 Member Steering Committee
- 4 Advisory Groups
- 3 Statewide Events
- One Website with over 4k Page views per month
- 13 Regional Forums or Workshops
- 350 Briefings to Partner Meetings
- 15,000 Participants at Events
- 1 Plan for all of Florida
- 7 Long-Range Goals
- 30 Long-Range Objectives
<table>
<thead>
<tr>
<th>The Future Can Be Hard to Predict…</th>
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<tbody>
<tr>
<td><strong>Off Track?</strong></td>
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<tr>
<td>&quot;All intercity travel under 300 miles will be by helicopter.&quot;</td>
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<td><strong>Ahead of the Times?</strong></td>
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<td>&quot;Mass transit in urban areas is vital to the future of Florida.&quot;</td>
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<td><strong>Looking Ahead?</strong></td>
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<td>&quot;One day you will be in one continental city – driving from Boston to Miami.&quot;</td>
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<tr>
<th><strong>Eddie Rickenbacker, Chairman, Eastern Air Lines, 1953</strong></th>
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<tbody>
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<td><strong>Joseph P Taravella, Chair, Council of 100, 1973</strong></td>
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<td><strong>Charles Rovetta, Dean, Florida State School of Business, 1955</strong></td>
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## Exploratory Scenarios

<table>
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<tr>
<th>Where Are We Now?</th>
<th>Where Could We Be Going?</th>
<th>How Could We Prepare?</th>
<th>What’s Our Best Path Forward?</th>
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</thead>
<tbody>
<tr>
<td><a href="#">Current Snapshot</a></td>
<td><a href="#">Multiple Futures</a></td>
<td><a href="#">Ideas and Solutions</a></td>
<td><a href="#">Policies and Strategies</a></td>
</tr>
</tbody>
</table>

- **Current Snapshot**
  - White and blue map with points
- **Multiple Futures**
  - Red and blue map with points
- **Ideas and Solutions**
  - Blue and green map with points
- **Policies and Strategies**
  - Green and white map with points
A Look Back
Florida’s Population

1960: 4.9m
1970: 19.5m

Source: U.S. Census Bureau.
A Look Back
Transportation Trends

190.8 billion
Annual Miles

15.6 million
vehicles

9.5 million
gallons

Fuel Consumed
Registered Vehicles
Vehicle Miles Traveled

Source: Federal Highway Administration and Florida Department of Transportation.
Florida’s Population
Larger and More Diverse?

Florida’s Development Patterns
More Urban?
Becoming More Connected

1 out of 5 vehicles on the road worldwide will have some form of wireless network connection by 2020.


Becoming More Mobile

90% of the U.S. population owns a cell phone.

20% use their phone for real time traffic or transit information.


Increasing Automation

$11.5 billion will be invested in drone technology in the next 10 years.

Robotics and automation could revolutionize transportation system maintenance and freight delivery practices.

The Approach

1. Analyze Key Drivers of Change
2. Describe Alternative Futures
3. Identify Key Themes Across Futures
4. Define Goals, Objectives, Strategies
Groundhog Day
Return to Historic Growth
It’s a Small World
Global Trade Hub
Back to the Future
Rural Rediscovery
Stormy Weather
Risks on the Horizon
Engaging the Public

Statewide Transportation Visioning Summit,
December 17, 2014
Engaging the Public

- Five regional workshops, January-February 2015
- Targeted workshops for key stakeholder groups (MPOAC, FRCA, FPTA, etc.)
- Florida Transportation Commission
- Steering Committee
Potential Strategies

Global Hub
- Global gateways, intermodal logistics centers
- Trade corridors, intermodal connectors
- Supply chain technologies

Innovation Hub
- Urban mobility options
- High speed connections between urban areas
- Automated, connected, shared vehicles

Rural Rediscovery
- Truck routes, freight terminals, general aviation
- Rural-to-urban connectivity
- Trails, access to recreational areas

Risks on the Horizon
- Catalytic investments to support economic growth
- Asset management and adaptation
- Repurpose or abandon infrastructure
Florida Transportation Plan Structure

**Vision Element (August 2015)**
Trends, uncertainties, and themes that will shape the future of transportation in Florida (50 years)

**Policy Element (December 2015)**
Goals and objectives to guide the Florida Department of Transportation and partners toward the vision (25 years)

**Implementation Element (2016)**
Emphasis areas with key actions (5-25 years)
Florida Transportation Plan Goals

- **Safety and Security** for residents, visitors, businesses
- **Efficient and Reliable Mobility** for people and freight
- **More Transportation Choices** for people and freight
- **Agile, Resilient, and Quality** transportation infrastructure

**Transportation solutions that support Florida’s global Economic Competitiveness**

**Quality Places**

to live, learn, work, and play

**Transportation solutions that support**

Florida’s **Environment and Conserve Energy**
New Emphasis Areas

- Innovation and technology
- Transportation workforce
- “Soft infrastructure” – regulatory processes
- Energy
- Public health
- Customer service
FTP Implementation Element

- Real Time Updates
- Partner Input
- One Convenient Location
SIS
STRATEGIC INTERMODAL SYSTEM
POLICY PLAN

FTP
Florida Transportation Plan
SIS
Strategic Intermodal System

March 2016
FloridaTransportationPlan.com
Strategic Intermodal System (SIS)
Statewide System of High-Priority Facilities
Online Resources:
www.floridatransportationplan.com

Florida Transportation Plan (FTP) and Strategic Intermodal System (SIS)

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