Florida’s Transportation Vision Summit
Collaborative Engagement

December 17, 2014
Real-Time Record

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Building a Long-Range Strategic Vision for Florida's Transportation System
Summit Hosted by the Florida Department of Transportation (FDOT)

Walt Disney World Dolphin Hotel
1500 Epcot Resorts Boulevard
Lake Buena Vista, Florida
December 17, 2014

8:30 am  Registration

Activity: Identify Florida’s Recent Transportation Strengths and Successes

9:00 am  Welcoming Remarks
Jim Wood, FDOT

9:10 am  Presentation: Building Florida’s Long-Range Transportation Vision
• Long-Range Trends Shaping Florida’s Transportation Future
  Jim Wood, FDOT
• Potential Future Scenarios
  John Kaliski, Cambridge Systematics

9:40 am  Assessing Our Strengths
Interactive Session

10:00 am  Summit Objectives and Collaborative Process
Andrea Henning, Collaborative Labs

10:15 am  Envisioning Our Transportation Future
Interactive Session

11:45 am  Lunch

• Synthesis and Ranking of Key Themes
  Discussion

1:15 pm  Identifying Bold Ideas to Realize Our Vision
• Brainstorming of Bold Ideas
  Interactive Session
• Synthesis and Ranking of Bold Ideas
  Discussion

2:45 pm  Highlights and Next Steps
Jim Wood, FDOT

3:00  Adjourn

Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability, or family status. Persons who require special accommodations under the American with Disabilities Act or persons who require translation services (free of charge) should contact Paula San Gregorio at 850-414-4811 at least seven days prior to the meeting.
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Welcoming Remarks

Jim Wood, Director, Florida Department of Transportation (FDOT) Office of Policy Planning: I want to start by thanking our partners today: Cambridge Systematics and The Collaborative Labs. In your packet, you have an agenda and a comment/evaluation form. On the right side is the information that Andrea Henning will go over later. Also, we’ve included a summary of Florida’s Strategic Plan for Economic Development, which is a key resource document.

Originally we thought we would have up to 150 attendees. As of yesterday, we had 280 people registered. That speaks to the enthusiasm about transportation in Florida. We have a diverse group today. We have a process that will allow each of you to weigh in on the two plans we’ll be speaking about today: the Florida Transportation Plan (FTP) and the Strategic Intermodal System (SIS) Plan.

First, we’ll be looking at where we’ve been. Then we’ll look ahead. We will be asking you to think about some of the issues shaping the future of transportation in Florida. John Kaliski will be speaking later to help you understand some of the potential alternative futures.

The FTP is a plan for all of Florida. It is a high level, policy-level plan that provides guidance to FDOT and all other transportation partners in the state. The SIS Plan focuses on the state’s high-priority network of transportation facilities that are important to our economic competitiveness. The SIS is a key emphasis of how we will implement the FTP. These plans will be updated by the end of 2015. The two plans have been prepared separately in the past but we want to coordinate the update process this time. In the end we will
produce two separate plans. Today, we want to get a very broad perspective from you – what do you think is important to the future of transportation in Florida? We’ll have a steering committee coming together in January 2015 to work on these plans. The marriage of these two planning processes will be very helpful.

The Florida State Road Department, the predecessor of FDOT, was established in 1915. We’ll celebrate the 100th anniversary next year. As we talk about long-term planning, we’ll be looking at all of this history.

1950s: the Interstate highway system was established in 1956. The first segment of Florida’s Turnpike opened in 1957. NASA began in 1958, which transformed the Cape Canaveral area. The first segment of Interstate 4 opened in 1959.

1960s: Construction of the new port in Miami began in 1960. The Metropolitan Transit Authority was created in Miami that same year. The State Department of Roads was renamed Florida DOT in 1969.
1970s: Florida’s first metropolitan planning organization was established in Pensacola in 1970. There are now 27 MPOs in the state. Amtrak service to the Orlando area began in 1971. Carnival Cruise was founded in 1972, and over time we have seen Florida become a global leader in the cruise industry. McCoy Air Force Base was renamed Orlando International Airport in 1976.

1980s: The first Space Shuttle was launched in 1981. The final segment of Interstate 95 was completed in 1987. The state’s first commuter rail service, Tri-Rail, began operation in Southeast Florida in 1989.

1990s: The final segment of Interstate 75 was completed in 1993. Electronic tolling using the SunPass system began in 1999.

2000s: The Governor and Legislature created the Strategic Intermodal System in 2003. Space Florida was established in 2006, and we have integrated space into our long-term plan. The first Freight Mobility and Trade Plan was completed in 2014. And SunRail opened in 2014, pointing to a greater role for rail in the future.
The FTP has provided the policy framework for the state to plan for these investments over time.

As we look back over the past several decades, we can see the rapid growth in population and the economy. We quadrupled our population in a 50-year period.
Over the past several decades, as our population and economy grew, so did vehicle-miles of travel (VMT). VMT peaked in 2007 and declined during the recession. The most recent numbers are more stable. We don’t know where that is going in the future. The number of vehicles has changed as well. Fuel consumption is lower, but we’re increasing the efficiency of our vehicles as well. Are we back to cheap oil, for how long? How short or long is that trend?

Today’s transportation system includes highways, roads, public transit, rail, seaports/waterways, aviation, and spaceports. We are recognized nationally for our facilities. We’ve also been recognized for the condition of our pavement and bridges.
Reliability and delay improved during the recession, in large part because fewer people were driving. We’re working hard to sustain the improvements in delay. Fatalities are coming down overall, but Florida has had the most bicycle and pedestrian fatalities in the nation. We are taking this seriously. We’re focused on making our network safer.

Today: We’re moving employees to work; students to school; residents to shopping, health care, and other services; people to visit family and friends; and freight to support our businesses.
We want to focus on some key trends:

Let’s look at the trends that will shape our future. First, our population will continue to grow—the mid-range forecast is to increase from 19.5 million residents today to 25.6 million in 2040. This means adding the equivalent of the population of Tallahassee every year.
Our population also is changing. We are becoming more diverse over time. 24% of our population will be over the age of 65 in 2040. 30% are expected to be Hispanic in 2040. 19% are foreign born today. What are these going to mean in terms of future mobility? During the past few years we have seen a minor decrease in highway travel and an increase in transit boardings. Will this continue?

Several trends will continue to put upward pressure on vehicle travel: our growing population, economy, and visitors, and new technologies that could make travel safer and more convenient. However, highway travel could decrease because of: a shift toward mixed use development in walkable communities; the aging population; different preferences of millennials for how to travel; and the ability to substitute technology for travel.

Visitors to Florida: expected to reach 100M this year, with a target of 130M in 2030. 100M is five times our normal population.
Growing global trade: Doubled from 2003 to 2010. We expect to see a dramatic increase over time. However, we do continue to see an imbalance between inbound and outbound freight, reflecting our large consumer market and our relatively small manufacturing base. Our economic development organizations are working to broaden the base of our economy.

Traditionally, Florida’s economy relied on a three-legged stool of agriculture, construction and tourism. We’re trying to diversify so we’re not reliant only on these three industries. Enterprise Florida has identified eight targeted industries, each of which has different transportation needs.
Development patterns. During the past several decades, new development primarily occurred on the fringes of existing urban areas and along transportation corridors. As we look to the future, there are many questions about how we balance economic growth with environmental stewardship. The Florida peninsula is considered one of 10 to 12 megaregions in the United States.

We are seeing a shift long-term, large scale regional planning. Most parts of the state have developed a long-term regional vision, such as the “How Shall We Grow?” vision in Central Florida. Many of these visions point to changing development patterns, focused on economic centers that are connected by multimodal transportation corridors. We also are looking at the future of the state’s Rural Areas of Opportunity.
In all of our planning we must consider long-term stewardship of environmental resource such as land, water, and wildlife. We also need to consider the risk of extreme weather events. Also, what are the opportunities from better coordination of transportation and environmental decisions, such as regional mitigation and storm water management? There are a lot of opportunities to help benefit Florida while we’re planning our future infrastructure.

Technology trends: we are seeing an increase pace of technological change. It’s amazing to consider things that our vehicles may be doing for us and the impact on transportation and infrastructure.
We are seeing a transformation in personal vehicles and public transportation vehicles.

We also are seeing changes in the size and characteristics of freight vehicles. We need to think about that in planning for the transportation system.
Convergence: There are so many dynamic changes in terms of vehicle miles, millennials, land use, our environment, bicycle and pedestrian safety, our communities, and global trade.

We are very interested in hearing from you today as we consider the planning process and alternative futures. I’ll turn it over to John Kaliski.

**John Kaliski, Principal, Cambridge Systematics:** To get this many people in a room to talk about transportation a few days before Christmas shows how many people are interested.

When we talk about the convergence of these trends, perhaps we have a tipping point. What are the range of possibilities for Florida? If our economy moves towards global or technology, what does that mean? We’ll look at five alternatives for you to consider. Each has a basis in existing statewide and regional plans around Florida. We anticipate that none of these is a completely accurate forecast, but they are a starting point. A combination of these futures may be where we are headed. All of the futures start with a commitment to Florida’s quality of life and environment are key to the plans. The key differentiators or are the rate of population and economic growth, the drivers of our economy, our development patterns, and technology.
We have five titles that describe where we may be headed in the future. Since we are at Disney, we've named the alternatives after movies.

**Groundhog Day**: This future looks back about 10 years to the high rate of population growth, including an aging and more diverse population. Tourism continues to grow. Growth is a key driver of construction and services jobs. Development patterns remain focused in the suburbs and along transportation corridors. We may find that after all of talk about millennials who want to live in the urban areas, they choose to live in suburbs once they have families of their own. What happens if gas is less expensive? If these trends return, what do we need from a transportation perspective?

<table>
<thead>
<tr>
<th>Trend</th>
<th>Key Assumptions</th>
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<tbody>
<tr>
<td>Demographics</td>
<td>Continued strong population growth</td>
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<tr>
<td></td>
<td>Aging, more diverse population</td>
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<tr>
<td>Economics</td>
<td>Agriculture, tourism, construction, services</td>
</tr>
<tr>
<td>Land Use and</td>
<td>Emphasis on lower density development</td>
</tr>
<tr>
<td>Environment</td>
<td>Growing pressures on water and natural resources</td>
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<tr>
<td>Technology</td>
<td>Current energy mix</td>
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<td></td>
<td>Incremental changes to technology</td>
</tr>
<tr>
<td>Transportation</td>
<td>Reliance on motor vehicles</td>
</tr>
<tr>
<td>System</td>
<td>Return to historic growth in vehicle-miles traveled</td>
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<tr>
<td></td>
<td>Reliance on inbound freight to serve consumer market</td>
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*Florida’s Transportation Vision Summit FDOT December 17, 2014*
It’s a Small World: What happens if Florida becomes a global trade hub? With the Panama Canal expansion, we could become a major hub. The state is targeting a doubling of exports every five years and 130M visitors by 2030? What would that mean for transportation? What do we do to provide global connectivity? How do we invest in our airports, seaports and globally connected cities? What about land development for manufacturing needs? Larger freight vehicles?

Tomorrowland: We’re borrowing this from Walt Disney’s vision of Epcot. Technology and innovation are key. Population growth is strong. Florida is where younger workers want to be. Economic growth is based on knowledge-based businesses. Population growth is in urban centers where people can live/work/play in close proximity. We may see more investment in automated vehicles. Walk, ride your bike, use transit and other ways to get around condensed urban areas, but also tie those areas together.
**Back to the Future**: This future looks back about 50 years. Agriculture continues to grow because of demand for locally produced food and biofuels. Eco-tourism continues to grow and many people choose to live in rural areas and small cities. Specialized manufacturing expands as 3-D printing makes manufacturing possible anywhere in the state. Our small towns become more competitive. Maybe we see a shift in growth from the coasts to inland Florida. What would that look like from the transportation perspective?

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<tr>
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<tbody>
<tr>
<td>Demographics</td>
<td>Continued strong population growth</td>
</tr>
<tr>
<td>Economics</td>
<td>Agriculture, eco-tourism, specialized manufacturing</td>
</tr>
<tr>
<td>Land Use and</td>
<td>Some population shift to inland locations</td>
</tr>
<tr>
<td>Environment</td>
<td>Revitalization of historic communities</td>
</tr>
<tr>
<td>Technology</td>
<td>Renewable energy and other Florida-based energy sources</td>
</tr>
<tr>
<td></td>
<td>Telecommuting, telemedicine, distance learning</td>
</tr>
<tr>
<td>Transportation</td>
<td>Continued growth in vehicle miles traveled, reliance on cars and trucks</td>
</tr>
<tr>
<td>System</td>
<td>More options for rural transport</td>
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<td></td>
<td>Increase in long-distance travel</td>
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**Stormy Weather**: What if the future isn’t as bright as we hope? We could face slowing in-migration if other states are more attractive to retirees and immigrants. Perhaps we see a net loss of young workers. What if we other states are more successful in capturing the benefits of expanding global trade and new knowledge-based industries? What if extreme weather events make Florida less attractive? If we have less population growth, we may have less travel demand. Maybe we have more infrastructure than we need in the future. If we face a future of more limited growth, what is most important from a transportation perspective?

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<tr>
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<tbody>
<tr>
<td>Demographics</td>
<td>Slowing in-migration</td>
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<tr>
<td>Economics</td>
<td>Net loss of younger workers</td>
</tr>
<tr>
<td>Land Use and</td>
<td>Loss of one or more key industries</td>
</tr>
<tr>
<td>Environment</td>
<td>Stagnation or decline in number of visitors</td>
</tr>
<tr>
<td>Technology</td>
<td>Current energy mix</td>
</tr>
<tr>
<td></td>
<td>No widespread adoption of new technologies</td>
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<tr>
<td>Transportation</td>
<td>Stagnation or decline in overall vehicle miles traveled</td>
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<tr>
<td>System</td>
<td>Some overbuilt/underutilized infrastructure</td>
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So, what combination of these trends do we expect? What does that mean for our planning?

**Comment**: What about the impact of climate change, particularly sea-level rise?
**Jim Wood:** We are doing research on this issue to understand the potential risks.

**Comment:** What about technologies like Airbnb and Uber? How does that fit in?

**Jim Wood:** We’ve been having a conversation about automated vehicles and other emerging technologies. We fully expect that these types of systems models will impact how we do transportation. The level of deployment is uncertain at this point.

I want to thank all of you for being here. We want to hear your thoughts on all of these issues. I’ll turn it over to Andrea.

**Andrea Henning, Executive Director, Collaborative Labs, St. Petersburg College:** Good morning and thank you to Jim Wood and John Kaliski. It is going to be a great day because you all are here. From this time forward, it’s all collaboration. It’s going to be high energy.

Our top three objectives:

First, assess our strengths. We’ve asked you to capture our current strengths on the whiteboards. Many of you have done this and in a moment we’ll share some of these. We’ll be using Appreciative Inquiry – using strength-based instead of deficit-based questions. We want to leverage those strengths as we plan the future.

The second objective is to envision the future. You are the architects of these visions.

After lunch, objective three is to build big bold ideas to get us to the vision of the future. Are you with me, are you excited?

I would like to introduce you to part of our team. Robert and Milo will be facilitating the strengths boards in the front of the room. Sara, Alma, Terrie and Alison will be in the back with the microphones.
**Activity 1: Identify & Highlight Florida’s Transportation Strengths and Successes**

<table>
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<tr>
<th>Time</th>
<th>Activity 1a: Identify Florida’s Recent Transportation Strengths and Successes</th>
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<tr>
<td>8:30am – 9:00am</td>
<td>Enjoy networking with colleagues and add a Strength/Success to one of the whiteboards at the front of the room that will feature Florida’s Recent Transportation “Strengths/Successes”:</td>
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<tr>
<td>9:40am - 10:00am</td>
<td>Activity 1b: Highlights from Participants Regarding Florida’s Recent Transportation Strengths and Successes</td>
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- Safety and Security
- Mobility
- Infrastructure Technology
- Economic Competitiveness
- Quality of Life
- Environment
- Collaboration and Partnerships
- Wild Card

We will invite participants to share “laser examples” of Florida’s Recent Transportation Strengths and Successes.
Robert: As I reviewed the boards, we have mix of strengths and some future views. We’ll start with the strengths. I picked two or three items that I thought represented current strengths that we could build on. I’ll ask the writers of these two or three to comment on them.

Safety and Security Strengths & Successes

- Focus on improving safety of travel by walking and bicycling
- Education programs, community traffic safety teams
- Creating urban trails, separate from roadways, using CPTED.
- Reduction in traffic fatalities.
- Florida needs a proactive metro policy. Start treating the metro areas as the gems of the economy they are. Most of the people, freight, crashes, etc., are in metro areas. Design roadways in a context sensitive method.
- TWIC implementation.
- Pedestrian overpasses.
- Improve intersections & crosswalks.
- Trending to multi-modal facilities.
- Lighting & signage strength.
- The work of the regional planning councils re: evacuation, resiliency, & safe routes to schools.
- Commercially identify who should be there through use of technology as a by-product of reducing truck idle time.
Robert: The first board was on safety and security. Some of the strengths listed included education programs and community traffic safety teams.

Lois Bush, FDOT: We’re increasing efforts on safety and security for bikers and walkers.

Robert: The work of regional planning council on evacuation and walking to schools.

Hugh Harling, East Central Florida Regional Planning Council: Safety route to schools for six counties in our region. Safe walkable routes for children so we can reduce the amount of buses, save money on buses, also increase health by walking. Extend to other things we all do.

Mobility Strengths & Successes

- Funding for trails connecting communities (Mega Trails).
- Partnerships formed and maintained to deliver mobility solutions.
- Multi-modal DOT with funding for modes.
- Finally getting SunRail operational, we need more!
- Continue to work with CSX to create mobility options.
- Expanding urban bus circulators, like Lymmo, to serve transit locations.
- Recognition of importance of connectivity between modes (rail, sea, highway) and customers (freight & goods & people).
- Express bus service on interstates in SE Florida, crossing county line, drawing transit choice riders.
- Creation of FDOT freight office to focus all aspects of transportation as a single function.
- Subways & monorails.
- D5 SunRail
- ILC funding.
- ICTFS.
- Transit/TD services in all 67 counties.
- We are well on our way for having many more multi-modal transportation system for not only commerce, but also for tourists, and workers.
- SIS development & implementation.
Robert: Multi-modal DOT with funding for modes

Ed Coven, Florida DOT: We are seeing diversification in our priorities, lots of contacts nationwide. Lots of work on the development of the transportation system.

Robert: SunRail.

Mary Schoelzel, FDOT: Getting everybody together to do something terrific for central Florida. Collaboration that everyone did together and it happened.

Robert: More multi-modal for commerce, tourists and workers.

Barbara Foster, Florida Department of Economic Opportunity: We are well on our way. Planning efforts, regional groups. All of these systems are coming into alignment. Partnering with the DOT.
Infrastructure Strengths & Successes

- Consistent/continuing state investment in maintenance of existing infrastructure, Florida is leader on quality of infrastructure.
- Continued widening to 6 lanes on interstates.
- Much better connectivity to major transportation hubs.
- Continue collaboration to solve challenges in road improvements currently unfunded – appreciate partnering efforts.
- FDOT resurfacing needs look forward more than 3 years so that partnerships with locals can look at ATMS, safety, livability enhancements can be prioritized and budgeted. Make each $ count.
- Focus on transportation corridors to encourage compact urban development and preserve natural environment.
- Multi-levels.
- Passage of WWRDA!
- Quality of bridges (bridge replacement program)
- Ports & geography.
- Lots of upgrades in process in our high density areas.
- Use of software to reduce 8 billion of infrastructure requests. Optimize current physical infrastructure.

Robert: Let’s look at infrastructure. Florida is a leader on the quality of infrastructure.

Lois Bush, FDOT: Our performance measures show that Florida is a leader in this area.

Robert: Lots of upgrades and progress in our high-density areas.

Barbara Foster, Department of Economic Opportunity: All you have to do is travel around the state and you can see it. Infrastructure efforts are working – a lot of work happening there.
Technology Strengths & Successes

- Tolling – managed lanes.
- Message boards/speed monitoring.
- Electronic tolling. Pay by cell phones.
- Leader in technology research & implementation/early adapter.
- Leader in automated vehicle technology.
- Have significant data to help build a digital strategy for FDOT. (Build IT network over physical network for significant efficiency.)
- ITS/511
- We have foundational systems that w/ targeted investments, could yield great dividends.
- Virtual freight networks.
- Hybrid & electric cars.
- Collecting vast amount of data.
- Transit modeling.

**Robert**: Let’s look at Technology. Some of the examples noted included electronic tolling, paid by cell phones, ITS/511, and virtual freight networks. (Speakers not available).
Economic Competitiveness Strengths & Successes

- Growth in population & tourism.
- Strong research universities.
- Attention to development of aerospace business sector.
- Global opportunities study complete.
- National recognition – business as well as tourism.
- Strategic Intermodal System (SIS) focus on hubs & links.
- State has a strategic plan for economic development that aligns with the chamber’s, DOT’s FTP, & serves to help w/ alignment for others.
- Investment in rural areas of critical economic concern.
- Central Florida intermodal logistics center – Winter Haven.
- Quality of life -> greenways & trails connecting communities.
- 100M visitors means influence of up to 3 billion people.
- Existing freight & logistics infrastructure equals the ability to double inventory flows = significant economic value.
- 18 commercial service airports.
- Pro-active facilities planning, including use of alternative & under capacity corridors.

**Milo:** Specific attention to the development of the aerospace sector.

**Tom Duncan, FDOT:** Fifty percent of all the visitors to Florida fly to the state. We’re developing the airports. It’s a huge impact. Also, the development of Kennedy Space Center and a multi-user space port. Very successful investment to aerospace.

**Milo:** Proactive facilities planning.

**Caroline Villaneuva, Florida Crystals:** Examining the backlog of infrastructure and looking ahead. Looking at alternative transportation. Looking across diverse sectors. Thinking more of a business model.
Quality of Life Strengths & Successes

- Improved travel times and options.
- Diversity.
- Expanded SunRail service to evening events – weekends next!
- Much improved travel time & traffic through Tampa with the I-4/Selmon Expressway connector.
- New focus on non-road facilities like bike routes & greenways for recreation.
- We have the Wow factor w/ multi-modes of transit & quality of life & quality places in which to work, visit and live.
- Regional and local visioning.
- Where is the use of technology to reduce truck idling times waiting at docks & gates. Which would lead to greater quality of life.
- Implementation of “complete streets” & local visions.
- Safe Mobility for Life Coalition’s Again in Place checklist.

Milo: Quality of life - Complete Streets.

Steve Braun, FDOT: Willingness to look at multi-modal and regional/local visioning.

Milo: Regional/local visioning.

Jennifer Fierman, FDOT: A master plan to identify recreational facilities and facilities for getting around by bike or boating. These can be attributed to quality of life because you don’t have to get in your car.
Environment Strengths & Successes

- Weather
- Coastline
- Parks & preserves
- FDOT PD&E process
- Environment & engineering together
- ETDM – use it more!
- Propulsion energy alternatives?
- Better agency streamlining.
- Rigid pavement increases gas mileage & large trucks.
- Cooperation between FDOT contamination (CAR) contractors and prime roadway contractors during construction – FDOT7
- Increase use of pervious pavements.
- It can’t get much better – we have great weather, mild climate, many areas optimal for eco-tourism as well as for planting businesses.
- Planning for water – CFWI.
- General support of environmental issues of our general public.
- Collaborative mitigation (wetlands) with other agencies.
- Trending to multi-modal transportation systems.
- Elevated/trellised roads through sensitive & scenic areas.
- Land use (development)
- Optimize Visit Florida site to dynamically route tourists to uncrowded areas of Florida.

Milo: Environment – hard and soft pavements.

Roger Schmitt, Florida Concrete & Pipe Association: Maybe 3% of state roads are flexible pavement. There is about 4-5% savings on rigid versus flexible pavement.

Milo: Elevated/trellised roads through sensitive & scenic areas.
John Dohm, Miami Association of Realtors: With environmental concerns in the west part of Miami-Dade. Allowing water and animal flow.

Collaboration and Partnerships Strengths & Successes

- Florida Trade & Logistics study 2.0 cooperation across multiple departments & NGO bodies.
- Pedestrian/bicycle safety coalition.
- Safe Mobility for Life Coalition.
- State/federal/industry partnerships for space transportation.
- Work by Port Everglades, Port Miami -> reduce congestion at ports.
- Florida Greenways & Trails Foundation.
- FDEP Best foot forward (we are all pedestrians)
- Future Corridors Process!!!
- SunRail
- FDOT: rethink our commute
- Working with MPO’s to build complete streets.
- DOT-DEO collaboration on economy development issues!
- Leveraging partner funds for projects
- Growth in P3s.
- SFOMA.
- Florida strategic plan for economic development – a collaborative process for creation and implementation.
- Partnerships for freight network understanding & development.
- Collaborative efforts that cut across issues & interests – e.g., community & regional visioning.
- Region transit connections – managed lanes.
- South Florida freight plan – 3 MPOs & FDOT

Port of Miami and Everglades – we have near dock trains and ships to connect with the roadways. On of collaboration between public private and multi-

Milo: Best foot forward.

Gus Castro, City of Orlando: Collaboration between local and state. We are all pedestrians. Drivers and people need feedback to reduce accidents. We all share the roads.
Wild Card Strengths & Successes

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<tbody>
<tr>
<td>• Planning for the future (like this meeting).</td>
</tr>
<tr>
<td>• Harry Barley leading our MPO!</td>
</tr>
<tr>
<td>• Early and continuing commitment to performance.</td>
</tr>
<tr>
<td>• Management/measurement -&gt; move to target setting for performance measures.</td>
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<tr>
<td>• Central Polk Parkway – keep moving forward.</td>
</tr>
<tr>
<td>• Social media.</td>
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<tr>
<td>• Cargo airports/trail-truck connectivity</td>
</tr>
<tr>
<td>• Energy production/green fuel sources.</td>
</tr>
<tr>
<td>• Automated vehicles.</td>
</tr>
<tr>
<td>• For the future. A digital network to overlay &amp; optimize the physical network.</td>
</tr>
<tr>
<td>• Congress approves a National Infrastructure Bank!</td>
</tr>
</tbody>
</table>

Milo: A digital network that will overlay and optimize the physical structure.

**Aivars Lode, IT Capital Services:** What is Florida’s digital network? Spot demand capacity. Move those flows. Some of the infrastructure can be reduced through the use of technology.

Milo: Rail to truck connectivity?

**Debra Phillips, Florida East Coast Railway:** Something happens every day with our railroads and other railroads. Collaboration with others.
### Activity 2a: Envisioning Our Transportation Future (Magazine Covers)

**Activity 2a: Envisioning Our Transportation Future**

**Step 1:** Find your assigned Team and appoint a Scribe, Keyboarder & Spokesperson.

**Step 2:** (10 minutes): Select an Alternative Future, write it on the Whiteboard, and also in your Team’s Magazine Title:

1. **Groundhog Day:** Pre-Recession Trends Continue
2. **It’s a Small World:** Florida as a Global Hub
3. **Tomorrowland:** Florida as an Innovation Hub
4. **Back to the Future:** Return to a Focus on Agriculture and Rural Lifestyle
5. **Stormy Weather:** Slow Growth or No Growth in the Future
6. **Design Your Own Future**

**Step 3** (10 minutes): Capture on the whiteboard **Key Assumptions** for your selected Alternative Future. You can use the attached descriptions of the alternative futures as a starting point.

**Step 4** (30 minutes): Each Team will develop a future magazine cover with an **Overarching Transportation Vision** as the main headline ("What’s a Visionary Goal for Transportation in Florida in the Next 50 Years?").

Each Team also will develop **3 "Sub-Headline” Goal Areas**, using the following questions as prompts:

- **Moving People:** How do people move to, from and within Florida?
- **Moving Freight:** How does freight move to, from and within Florida?
- **Investment:** What major investments in transportation has Florida made?

**Step 5** (30 minutes): Teams will participate in a structured **“Gallery Walk”** to view and weigh in on the Transportation Visions.

**Part 1:** When prompted, start the “Gallery Walk” at the Team area that is directly after your Team number (i.e. Team 10 starts at Team 11; Team 30 starts at Team 1, etc.).

- Each Team, please leave behind one Team member who can answer questions about your magazine cover.
- We will prompt you to move to the next Team area, continuing in consecutive order.
- As you move through each Team area, review the magazine cover and begin to identify Common Themes you are noticing (capture your Top 3 Common Themes on the separate ballot sheet).
- Also, as you move through each Team area, identify your Top 3 Favorite Magazine Covers on a separate ballot that will be collected.

**Part 2:** When prompted, at the end of the Gallery Walk:

- ✓ Convene in your original Team area and reach consensus on the Top 3 Common Themes you are seeing. Ask your Team Scribe to capture your Team’s **Top 3 Common Themes** on the Community Whiteboards at the front of the room.
- ✓ Individually, write your **Top 3 Favorite Magazine Covers** on your ballot, which will be collected by staff.
Andrea: We are now moving into the future. We have additional Team members. We have Joyce on the keyboard today. She’ll be capturing all of your vision and wisdom today. Mike, PJ and Trish will be running our technology today. Last, but not least, we have Jonathan. How many of you are visual? He will be developing a vision mural for you as we go through the day.

We are now in the 50-year future. While these instructions are in your packet, I’ll walk you through them. First, you’ll find your assigned team. You will find your name on one of 30 teams. If you have not been assigned a team, there are folks that can help you find a team. If you are in teams 1-15, you’ll be in this room. Teams 16 – 30 will be in the next room.

Once in your teams, you’ll appoint a scribe and a keyboarder and also a spokesperson. You’ll need a spokesperson to share your visionary futures.

Next, select an alternative future. Or, you can create your own. Write that alternative future on your whiteboard and your magazine cover.

Step 3 is to capture any key assumptions that are not included in the ones that John gave you earlier.

Step 4 is to create a magazine cover that you will be featured on in 50 years. I’m not sure magazines will exist in 50 years, but assume they will.

Step 4: What is our Ideal Vision?

You’ll capture overarching headlines for your visionary future. Once you all agree on a “jewel” of a headline, copy and paste it into your main headline area of the magazine cover. Then you will have three sub headlines for three areas: moving people, moving freight and investment. You can type over those placeholders, but make sure your sub headlines cover these three areas.

You can select artwork to add to your cover as well.

Once you have developed your magazine cover, we’ll launch into our Gallery Walk.
If you are in Team 1, you’ll move to Team 2. We’re looking at 30-40 seconds to move to each magazine cover. We’ll ask the spokesperson for your Team to stay behind and explain your magazine cover to the visitors. There will be 29 rotations. You will have a personal polling ballot to take with you. You will see a lot of common themes. As you notice those themes, we’ll ask you to capture three common themes. Also, we’ll ask you to pick your top three magazine covers. When we get back, we’ll have our top five magazine covers according to your choices.

Part two of the Gallery Walk is to gather back into your teams and reach agreement on the top three common themes you’ve captured. We want to get those three top common themes from you before you go to lunch. We’ll ask your scribe to write those on the boards at the front of the room. Also, you’ll hand your magazine cover ballot to one of the facilitators so we can tally those as you are having lunch.

After you grab lunch, feel free to sit wherever you’d like to do some networking. At 12:30, we’ll reveal your top magazine cover choices and also take a poll to identify our top common themes to see what our top priorities are.

When you hear music, that’s your cue to move to the Team areas. We’ll see you there.
Magazine Covers - Brainstorming
(The following are the brainstorming notes from the ideas the teams developed before building their magazine covers. The final magazine covers follow the brainstorming notes.)

Visionary Headlines
1. Team 14: Innovative Infrastructure: Connecting the State
2. Team 12: Planes, Trains, Automobiles And So Much More!
3 Team 13: Florida: Integrated and Innovative for Global Economic Competitiveness
4 Team 10: Change, change, change...Adaptability for diversity, choice, technology and quality of life
5. Team 16: Beam Me Up Scotty!
6. Team 26: Consolidated and Connected Tomorrow
7. Team 27: Florida - The New Global Center for Trade
8 Team 17: Florida: The Global Digital Distribution Hub of the Planet Serving Visitors, Workers, Residents & Businesses
9. Team 18: Looking forward while sustaining our strengths
10. Team 29: Embracing the Past, Maximizing the Future
11 Team 19: Connecting Florida's Communities: Going Where, How and When You Want
12. Team 28: Automation Powers Florida's Economy
13. Team 20: It's a Wonderful Florida: Transportation Innovations Key in Quality of Life
15. Team 2: Transforming communities: From virtual to reality at every doorstep
16 Team 3: It's a Small Tomorrowland. Transportation = A+ Positive Experience
17. Team 21: Move It! - Freight and Logistics Soar. Cold treatment technology brings more perishables
18. Team 4: Florida - An Innovation and Global Trade Hub
20. Team 23: It's a Big Future in Tomorrowland's Small World
21. Team 24: Florida Leads Eastern United States in Global Trade and Job Creation
22. Team 7: Florida's urban and rural growth is moved by people, freight, ideas, technology and happiness
23. Team 5: Defining Tomorrow's Small World: All Modes Lead to Florida as the Sunshine State Leads the World
24. Team 8: It's a Wonderful Florida Life (Tomorrowland & It's a Small World): Increase Opportunities for Business
25. Florida: Highest Quality of Life
26. Can We Afford the Future? Having our cake and eating it too!
27. Team 25: Technology Integrated into the Entire Transportation System!!!
**Moving People Goals**

1. Autonomous Vehicles - High Speed & light rail - expanded transportation hubs - ride sharing (Team 14)
2. Expand modal options and increase connectivity for movement of people (Team 13)
3. Mobility Choices For All (Team 12)
4. Residents and visitors have a host of on-demand mobility options (Team 10)
5. Automated vehicles that drive themselves! (Team 25)
6. Automation is 75% accepted connecting urban areas (Team 16)
7. Florida's Evolving Mix of Transportation Mode (Team 26)
8. SunRail, Tri Rail and All Aboard Florida Merge! Connecting the State (Team 27)
9. Enhance Efficient Multi-Modal Transportation System for Tourists, etc. (Team 17)
10. Advanced Multimodal Options Alternative Energy (Team 18)
11. Smarter Choices to Move People to More Places (Team 29)
12. Options! * Light Rail Connects to Major Florida Cities * Bike Paths and Sidewalk Take us Where we Want to Go (Team 19)
13. Automated Vehicles Make Travel Safer - Multitasking in Motion - Rural towns add transit (Team 28)
14. Wow, That Was FAST! Miami to Tallahassee in 30 Minutes! (Team 20)
15. Robust and diverse transportation system drives quality of life, access to education, health care, affordable housing, and recreational amenities tied to our natural environment (Team 1)
16. Walkable communities welcome former suburbanites (Team 2)
17. Onsite production provides opportunities for small business/franchises (Team 2)
18. Use technology to provide choices which offer flexibility and increased productivity (Team 3)
19. Move It! - Freight and Logistics Soar. Cold treatment technology brings more perishables. (Team 21)
20. Flexible transportation options (Team 4)
21. Adaptive technology moves people more efficiently and effectively. (Team 22)
22. More Travel choices - Bike, walk...etc. (Team 23)
23. Safe mobility options are moving Florida forward. (Team 24)
24. Safe, efficient and interconnected mobility options (at least three modes for urban areas) (Team 7)
25. Moving People with the latest technology and greatest efficiency to add value and exercise high tech and diverse skills. (Team 5)
26. Easier, Safer, Reliable, Technology-Driven Travel means Access to More Jobs and Transportation Alternatives (Team 8)
27. Cars Rails Public Transportation (Team 30)
28. More attractive, safe, & viable mobility for all areas (Team 9)
Moving Freight Goals

1. Completely connected intermodal centers - Autonomous vehicles, drones, expanded connectivity rail (Team 14)
2. Continuously improving infrastructure to manage growth of imports and exports (Team 13)
3. Interconnectedness Of Modes (Team 12)
4. Technology optimizes global and mega region connectivity (Team 10)
5. Drones and lighter than air vehicles for freight. (Team 25)
6. On demand- fully automated - bridge the world (Team 16)
7. Florida Safely Integrates Freight with Mobility (Team 26)
8. Last Mile Finally Resolved (Team 27)
9. Enhanced Multi-Modal systems to optimize receipt & delivery (Team 17)
10. Maximize efficiency in cargo handling (Team 18)
11. Shipper Marketplace Provides more Options to Maximize Efficiency (Team 29)
12. Florida’s Ports - We’re All Connected by Rail! (Team 19)
13. Freight Moves on Automated Corridors - New Intermodal Centers (Team 28)
14. Florida Celebrates 30-Years of Driverless Freightways: Connecting International Hubs (Team 20)
15. Integrated system to move freight and goods. (Team 1)
16. Onsite production provides opportunities for small business/franchises (Team 2)
17. Maximize Connectivity and Capacity for Mobility and Economic Competitiveness (Team 3)
18. Move It! - Freight and Logistics Soar. Cold treatment technology brings more perishables. (Team 21)
19. Collaboration with partners to develop options for moving freight within the (Team 4)
20. Freight logistics improvements facilitate goods delivery. (Team 22)
21. Safe and Seamless movement - Efficient Airport/Seaport freight movements - Rail Investments (Team 23)
22. Inbound freight vs outbound freight imbalance. Working with manufacturing to view options of backhauling out (Team 24)
23. Technology synergies and optimization that increases flow (Team 7)
24. Moving Freight in and out globally and locally by strategically integrating all transport modes. (Team 5)
25. Easier, Safer, Reliable, Technology-Driven Travel = Access to Skilled Labor, Increased Productivity and Global Competitiveness (Team 8)
26. Advance Technology Integration (Team 30)
27. Move goods more efficiently using technology and in different ways (Team 9)
**Investment Goals**

1. Education within public sector and policy changes to allow alternative technology business incentives for efficient transportation modes (Team 14)
2. Increase in private investment and public-private partnerships (Team 13)
3. Smart & Sustainable (Team 12)
4. Rent versus own, funding partnerships and mobility (Team 10)
5. STEM education, high speed fiber, new advanced technology and infrastructure! (Team 25)
6. No gas tax- user fees - privatized (Team 16)
7. Technology Based Investments Move Floridians Safer and Faster (Team 26)
8. Referenda Pa$$ - Increased Funding Forwards Transit (Team 27)
9. Target investments in digital networks (Team 17)
10. High-tech corridors investment in smart facilities not bigger ones (Team 18)
11. Innovative TMS and Shared Use Corridors Resulting in Responsible Growth (Team 29)
12. Past Investments Paying Dividends Today - Focus on End User is Successful (Team 19)
13. Education and Connectivity makes Florida competitive (Team 28)
14. Florida's Investment in Live/Work/Play Communities Pays Off in Healthy Living (Team 20)
15. Attracting business, tourism, and trade. (Team 1)
16. Mobility fees allow citizens to pay for use of infrastructure regardless of mode (Team 2)
17. Leverage Investments to Optimize Return ~ Financial & Social (Team 3)
18. EB-5 Visa (funding source) (Team 21)
19. Infrastructure long-range planning Advanced logistics (Team 4)
20. Major reductions in capacity expenditures. (Team 22)
21. Connect people efficiently and freight with major population centers. (Team 23)
22. Investing in global outreach bringing manufacturing companies into Florida. (Team 24)
23. ROBOTS to combat sea level rise (Team 7)
24. New approaches to revenue generation to fund critical infrastructure projects. (Team 5)
25. Education Creates a Knowledge-Based Economy and Investment in Urban Economies is Vital (Team 8)
26. Public Transportation Network Non Motorized Network (Team 30)
27. With more people coming to FL and collaborative neighborhoods, Return on Investment (quantifiable AND qualitative) (Team 9)
Team Magazine Covers

The following are pictures of each team, their final magazine cover, and the transcription of the Team boards where they captured Alternative Visions, Key Assumptions, and Common Themes.

Team 1:

Alternative Future:
- Moving into our tomorrow
- Boats, trains, trucks, planes drives Florida’s economic engine

Key Assumptions:
- Florida breaks record employment with focus on technology.
- Strong population growth
- Robust & diverse transportation system drives quality of life, access to education, health care, affordable housing and recreational amenities tied to our natural environment.

Common Themes:
- Growth
- Access
- Predictable outcomes
- Quality of life
**Team 2:**

<table>
<thead>
<tr>
<th>Alternative Future: Tomorrowland</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Key Assumptions:</strong></td>
</tr>
<tr>
<td>- Combination of universities &amp; technology companies</td>
</tr>
<tr>
<td>- Develop new sources of energy – solar and tidal</td>
</tr>
<tr>
<td>- Sea level rise will not exceed 1 meter in the next 50 years</td>
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<tr>
<td>- New transportation points due to increase Panama Canal</td>
</tr>
<tr>
<td>- New forms of transportation methods – e.g., drones</td>
</tr>
<tr>
<td>- 3-D printing reduces mass production/distribution by 50%</td>
</tr>
</tbody>
</table>

| Common Themes:               |
| (none listed)               |
Team 3:

Alternative Future:
- It’s a small Tomorrowland
- Connectivity of modes
- Investments in mode choices that increase productivity
- Flexible travel options which leverage people’s time, reduce stress
- Merge the best together
- Eye toward millennials (better jobs)
- Consumer market
- Knowledge-based industries
- Grow manufacturing (exports to Asia/South America)

Key Assumptions:
- Greater than trade/logistics
- Strategic geography
- Tourism continued growth
- Positive travel experiences

Common Themes:
- Transportation a positive experience
- Choices
- Flexibility
- Productivity
- Safety
- Mobility
- Technology
- Economic competitiveness
- Connectivity
  1. technology
  2. innovative financing/funding
  3. mobility
  4. multimodal
  5. quality of experience
Team 4:

Alternative Future:
- It’s a BIG World

Key Assumptions and Common Themes:
- Continued strong growth
- Shifting, diversifying population
- Knowledge-based economy logistics
- Urban growth – global connections
- Renewable energy resources
- Advanced logistics system
- Transportation choices
- Connections to long distance
Team 5:

Alternative Future:
- Defining Tomorrow’s small world

Key Assumptions:
- Enable a skilled high tech/diverse workforce
- Population growth (strong)
- Financing key infrastructure
- Florida as a producer/manufacturer
- Global trade is enabled: aligned policies/regulations
- Collaboration

Common Themes:
- Speed to market
- Value add
- Jobs
- Access
- Connectivity
- Multi-modal
- Mobility
- Immediacy of goods/services
- Economic vitality
- Global hub
- Maximize land use

(Team 6 participants combined with other teams)
Team 7:

Alternative Future:
- Global Dawn

Key Assumptions:
- Increased trade & immigration
- Continued urbanization
- Development of rural economies
- Adapt to climate changes
- Florida leads in new technologies

Common Themes:
- Innovative mobility options
- Increased safety
- Better quality of life
Team 8:

**Alternative Future:**
- It’s a wonderful Florida life (Tomorrowland and It’s a Small World)

**Key Assumptions:**
- Population growth
- Growth in diversity
- Increase in skill/tech labor
- Advanced technology for movement of goods/people
- Intensified global circulation in goods/services
- Smart infrastructure (roads, utilities, etc.)
- Increased density in urban centers

**Common Themes:**
- Knowledge-based population/labor force
- Increased global competitiveness through technological innovation
- Intermodal integration and increased choices for passenger/freight
- Increased urban density
Team 9:

**Alternative Future:**
- Tomorrowland

**Key Assumptions:**
- Millennials working harder and smarter to support the future

**Common Themes:**
- Choice
- Connectivity
- Technology
Team 10:

Alternative Future: “Tomorrow”
- 2mrow World
- Back to the future & Tomorrowland & It’s a Small World

Key Assumptions:
- Adaptability/diversity/choice/resiliency
- Strong population growth -> diverse
- Growth/diversity in economy – urban & rural (distinctive areas)
- Advanced tech -> multimodal choices (autonomous vehicles, light rail, electronic/tech connections) supports global connectivity.

Common Themes:
- On demand/technology
- Multi-modal choices
- Change funding strategies

(Team 11 participants combined with other teams.)
Team 12:

<table>
<thead>
<tr>
<th>Alternative Future:</th>
<th>(Left blank by team)</th>
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</thead>
<tbody>
<tr>
<td>Key Assumptions:</td>
<td>(Left blank by team)</td>
</tr>
<tr>
<td>Common Themes:</td>
<td>Technology</td>
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<tr>
<td></td>
<td>Quality of life</td>
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<td></td>
<td>Global</td>
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</tbody>
</table>

Team 12: Planes, Trains, Automobiles And So Much More!

Moving People
Mobility Choices For All

Moving Freight
Interconnectedness Of Modes

Investment
Smart & Sustainable

"Flex Future"
Team 13:

**Alternative Future:**
- It’s a small Tomorrowland in the future

**Key Assumptions:**
- Increased balance of imports/exports
- Continued diversity of population growth
- 3P increased investment
- Increased tech

**Common Themes:**
- Innovation
- Industry
- Integration
- Competition
- Multi/intermodal
- Balance
- Investment
Team 14:

(Team 15 participants combined with other teams)

<table>
<thead>
<tr>
<th>Alternative Future:</th>
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<tbody>
<tr>
<td>Tomorrowland</td>
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<table>
<thead>
<tr>
<th>Key Assumptions:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infrastructure</td>
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<tr>
<td>Divides within highway system for vehicle communication w/ infrastructure</td>
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<tr>
<td>Policy change to allow alternative technologies (i.e. autonomous vehicles, high-speed/electromagnetic rail)</td>
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<tr>
<td>Public support for high speed rail to connect urban areas</td>
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<tr>
<td>3P (public, private, partnerships)</td>
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<tr>
<td>Land use</td>
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<tr>
<td>Improve, vibrant urban centers - &gt;connect urban centers through infrastructure.</td>
</tr>
<tr>
<td>Increase connectivity – options between intermodal centers (ports, airports, rail connectivity)</td>
</tr>
<tr>
<td>Policy to allow technology business draw</td>
</tr>
<tr>
<td>Education within public sector for importance of intermodal technology.</td>
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<tr>
<td>Public transportation, ride sharing, improve transportation on hubs within various areas</td>
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<tr>
<td>Technology integration within current business environment</td>
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</table>

Common Themes:

- “Innovative infrastructure:
- Connect the State”
Team 16:

**Alternative Future:**
- Tomorrowland

**Key Assumptions:**
- Urban Center is hub
- Technology
- Knowledge based economy

**Common Themes:**
- Technology is a bridge to Future
- Consolidated/connected/convenient
- Automation
Team 17:

Alternative Future:
- It’s a Small World

Key Assumptions:
- 100 million visitors (50% by air) – influence of good experiences is 1:300
- Any business (including tourism, retail, service, etc.) needs to have a physical presence in FL to give the best possible service (to potential and current clients and customers)
- Need to protect and enhance FL’s environment & quality places as we become a global hub while promoting eco-tourism.
- Use technology to represent additional areas and locales so that we include less congested areas of tourism & investment (examples of RAO’s) ⇒ requires coordinated statewide approach to moving people and commerce and serving people and commerce as well as ensuring availability of these services.

Common Themes:
- Multimodal
- Environment
- Technology
- Education-Public/Private
Team 18: (No white board comments reported)
Team 19:

Alternative Future:
- Tomorrowland

Key Assumptions:
- Continued strong aging and diverse population growth
- Emphasis on live/work/play/learn neighborhoods
- Environmental compatibility (transportation land use and conservation planning)

Common Themes:
- Diversified transportation system (Rail, bike/ped, buses, cars, etc.)
- Interconnectivity of the transportation system
- Moving commercial freight towards economic development
Team 20:

### Alternative Future:
- Tomorrowland

### Key Assumptions:
- Strong population growth
- Emphasis on live/work/play/learn neighborhoods
- Promote more physical activity – healthy lifestyle
- Autonomous vehicles
- Investment in long distance corridors – movement of freight and people
- Alternate methods of travel – carpool, telecommute, etc.

### Common Themes:
- Technology moves Florida – drones, autonomous vehicles, robots, driverless trucks
- Smaller neighborhoods – Live, work, play
- “Pay as you use.”
Team 21:

**Alternative Future:**
- Back to Tomorrow World

**Key Assumptions:**
- United thru Diversity
- Inter-connectivity

**Common Themes:**
- Transportation
- Quality of Life

<table>
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<tr>
<th><strong>Alternative Future:</strong></th>
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<tbody>
<tr>
<td>Tomorrowland</td>
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<tr>
<td>Dense Urban/Protected Rural</td>
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<table>
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<tr>
<th><strong>Key Assumptions:</strong></th>
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<tbody>
<tr>
<td>TRA</td>
</tr>
<tr>
<td>Moving good &amp; people efficiently</td>
</tr>
<tr>
<td>Logistics innovations</td>
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<tr>
<td>Continued Tech Growth (Exponential)</td>
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<tr>
<td>Compact land use patterns</td>
</tr>
<tr>
<td>Alternative Energy mix</td>
</tr>
<tr>
<td>Continued Population Growth</td>
</tr>
<tr>
<td>Technology Solutions to auto/rental</td>
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<tr>
<td>Airways/personal travel</td>
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<tr>
<td>High Density in Urban Areas</td>
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<tr>
<td>Protect Rural/Ag natural areas</td>
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<tr>
<td>Focus transportation investments between hubs and major destinations</td>
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<tr>
<td>Exclusive transit corridors for major people flows and major urban areas (All aboard Florida)</td>
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<table>
<thead>
<tr>
<th><strong>Common Themes:</strong></th>
</tr>
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<tbody>
<tr>
<td>Quality of Life</td>
</tr>
<tr>
<td>Efficient movement (no congestion)</td>
</tr>
<tr>
<td>Freedom of choice</td>
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</table>
Team 23:

**Alternative Future:**
It’s a Big Future in Tomorrowland’s Small World

**Key Assumptions:**
- There are 8 regions (economic) that do things well: Benchmark best practices
- Streamline 27 MPOs system – shared resources
- Network of collaboration within the region
- Focus on technology, infrastructure, economic competitiveness
- Focus on skilled workforce and universities/research facilities as key partners

**Common Themes:**
- Mega-regions
- Diversity (population and planning areas) Strong population growth
- Specialized focused manufacturing (niche markets)
- Advanced multimodal transportation systems
- Long distance travel/corridors
Team 24:

<table>
<thead>
<tr>
<th>Alternative Future:</th>
<th>It’s a Small World</th>
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</table>

**Key Assumptions:**
- Diversify the economy
- Diversify the demographics of FL’s population
- Market FL’s competitive resources comprehensively

<table>
<thead>
<tr>
<th>Transportation</th>
<th>workforce</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finance</td>
<td>schools/education</td>
</tr>
<tr>
<td>Land use</td>
<td>Permitting</td>
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</tbody>
</table>

- Embracing an international business climate
- Grow manufacturing
- Increase per capita income and educational attainment

**Common Themes:**
( None listed)
### Team 25:

**Alternative Future:**
- Tomorrowland

**Key Assumptions:**
- Smart investment in education
- Increase in population growth
- Continued focus sustainability and environmental stewardship
- Automated vehicles, passenger
- Freight drones
- Flying vehicles (other than airplanes)

**Common Themes:**
(None listed)
Team 26:

**Alternative Future:**
- Create your own future “Consolidated and Connected Tomorrow”

**Key Assumptions:**
- Strong continued growth with careful natural and physical resources
- Diverse population supporting diverse skills and economic opportunities
- Balanced economy attracts skilled workforce while preserving opportunities at all economic levels – supported by broad educational opportunities
- Consolidated urban growth with a connected rural environment
- Preservation of existing environmental and physical assets
- Evolving mix of transportation modes and technologies – reduces infrastructure demand

**Common Themes:**
- Use of technology to improve safety, mobility and efficiency of the transportation system
- New mechanisms to support/pay for transportation
- Diverse population and economic opportunities
Team 27:

### Alternative Future:
- It’s a Small World

### Key Assumptions:
- Strong shift toward more diverse population
- Growth inland manufacturing and distribution centers
- Increased demand for moving people and freight through FL air and sea gateways along major rail and truck corridors

### Common Themes:
- Funding $  
  - Economics  
  - Fed $  
- Technology  
  - Diverse population uses to increase demand  
  - Logistics uses technology  
  - Technology makes “a small world” = people connected
Team 28:

**Alternative Future:**
Tomorrowland/It’s a Small World

**Key Assumptions:**
- Strong growth
- Great diversity
- Technology basis/advanced freight technology
- Trade/logistics emphasis
- Globally connected
- Urban based growth
- Rural interconnectivity

**Issues:**
- Education
  - Basic level
  - Higher Education – Leaders in nation/world
  - Move into technology leader

**Overarching Transportation Vision:**
- Manufacturing job growth in rural areas
- Well connected rural counties
- Highway corridors connecting urban regions – go through rural
- Automated vehicles
- Options that allow for multitasking

**Common Themes:**
- Diverse population
- Options/options/options
- Technology
- Small world/Tomorrowland
- Connectivity
- Community options/walkability
- Global connectivity
Team 29:

Alternative Future:
Back to the Future

Key Assumptions:
- Private/public sector collaboration to maximize infrastructure efficiency
- Innovative technology to reshape transportation choices
- More efficient passenger transit options
- Smart growth
- Retained sense of place and scale
- Every mode included

Common Themes:
(None listed)
Team 30:

**Alternative Future:**
- Tomorrowland

**Key Assumptions:**
- Strong population growth
- Shift towards automated vehicles and other advanced transportation systems
- Expanding travel choices within urban areas
- Substitution of technology for travel
- Increasing demand for mobility
- Generational transactions (Boomers vs millennials)

**Common Themes:**
- Quality of life
- Economic Development
- Technology
Gallery Walk:

12:30pm Reconvene Favorite Magazines & Common Themes
During the Gallery Walk, participants filled out a polling sheet to nominate their choice of Top Magazine Cover. The polling sheets were tallied and the top five emerged.

Robert: We’re going to take a look at the top five magazine covers. We’ll do this Miss America style: 5, 4, 3, 2, and 1.

Team 5 was #5: Debra Phillips, Florida East Coast Railway: Our concept was that it is a small world because of the global marketplace, but we need tomorrow’s technology to reach that global market place. All modes lead to Florida as the Sunshine state leads the world. Our vision is moving people with the latest technology. Moving freight in and out globally and locally, and new approaches to revenue generation to fund infrastructure projects.
Team 8 was #4:

Mark Wilson, FDOT: We combined two things – it’s a wonderful Florida and increase opportunities for business. We need high-tech education for the future. Making sure there is good access to transportation. It’s a bright future for Florida.
Team 12 was #3: **Frank Kalpakis, Renaissance Planning Group:** Planes, trains, automobiles and so much more. Technology will be important for the future. We think more people will be working from home. Automated vehicles will be there. There will be more mobility choices. For a young population in the cores, especially. Connecting freight from freight corridors and the ports. Separating freight routes from passenger vehicles. Smart decisions – we’ll have to be very diverse. We will have to invest in a diverse way, not just roadways.
**Team 18 was #2:**

**Doug:** The pictures told the story. We focused on Tomorrowland and It’s a Small World. Advanced intermodal options. Freight: maximize efficiency through networking. Investment: high-technology corridors, investment in smarter facilities, not bigger ones.
Team 17 was #1:

**Aivars Lode, IT Capital:** Florida is the global digital distribution hub of the planet. There are 100M visitors to Florida each year. If you are not doing business in Florida, you need to be here. We have 30% available capacity without spending money. $27M requests, 10 million available, 8 million can be removed by optimizing existing capacity. 130M tourists by the end of 2000-whatever. How is that possible? In the Mediterranean, it’s hot, expensive and the traffic doesn’t move. Here, it’s empty. We just need to attract those people here.

**Robert:** There are some commonalities across the magazine covers. We also asked you to identify common themes.
Activity 2b: Synthesizing & Ranking of Transportation Futures – Common Themes

11:45am – 1:15pm

Activity 2b: Synthesizing & Ranking of Transportation Futures - Common Themes

After participants grab lunch, we will reconvene as a full group to synthesize and rank the Common Themes we are seeing in the Magazine Covers.

Participants were asked to add their themes to “Community Whiteboards” at the front of the room. Pictures and transcriptions of those boards appear below.

Milo: This will give an opportunity to do some polling in real time. Today is all about combining our thoughts and ideas. A few teams actually combined those scenarios – Tomorrowland and It’s a Small World. We also asked each of your teams to come up with some common themes and bring those to the community whiteboards.

Common Themes on Community Whiteboards:

<table>
<thead>
<tr>
<th>Common Themes Community Whiteboard 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>- It’s a small world/Tomorrowland</td>
</tr>
<tr>
<td>- Mobility</td>
</tr>
<tr>
<td>- Access</td>
</tr>
<tr>
<td>- Economic viability</td>
</tr>
<tr>
<td>- Technology</td>
</tr>
<tr>
<td>- Options/transit</td>
</tr>
<tr>
<td>- Combine Small World/Tomorrowland</td>
</tr>
<tr>
<td>- Quality of life</td>
</tr>
<tr>
<td>- Economic development</td>
</tr>
<tr>
<td>- Technology</td>
</tr>
<tr>
<td>- Increased technology &amp; global focus</td>
</tr>
<tr>
<td>- Balanced urban growth with connected rural</td>
</tr>
<tr>
<td>- Expanded efficient multimodal</td>
</tr>
<tr>
<td>- Automation</td>
</tr>
</tbody>
</table>
Common Themes Community Whiteboard 2

- Quality of life
- Global trade
- Transportation options & connectivity
- Increased global competitiveness through technological innovation
- Intermodal integration/more choices for passengers and freight
- Increased urban density
- Use of technology to improve safety, mobility, and efficiency of the transportation system.
- New mechanisms to support/pay for transportation.
- Diverse population and economic opportunities.
- Diversified transportation system (rail, bike/pedestrian, bus, car)
- Interconnectivity of transportation system.
- Moving commercial freight toward economic development

Common Themes Community Whiteboard 3

- Technology
- Innovative financing/funding
- Mobility/multi-modal
- Quality of experience
- Mode options
- Technology
- Infrastructure, connections financing
Common Themes Community Whiteboard 4

- Choice
- Connectivity
- Technology
- Convenience/consolidation/connectivity
- Automation
- Technology is the bridge to the future
- Global dawn
- Defining tomorrow’s small world
- Flex future
- Technology moves Florida
- Smaller neighborhoods
- Pay as you use
Common Themes Community Whiteboard 6

- Technology
- Quality of life
- Global
- Optimize current infrastructure with technology
- Connect communities to increase quality of life & economy
- Rail, intermodal infrastructure for economic growth

Common Themes Community Whiteboard 5

- Modes, connectivity, quality of life (focus on millennials & elderly)
- Technology improves & implements new transportation (PRT, BRT, HSR)
Common Themes Community Whiteboard 7

- Multi-modal
- Environment/quality of life
- Technology
- On-demand/technology
- Multimodal choices
- Change our funding strategies

Common Themes Community Whiteboard 8

- Technology
- Smart growth
- Multi-modal efficiency
- More technology
- More efficiencies
- More choices
Milo: Over lunch, the FDOT/Cambridge/Collaborative Labs staff worked to combine those even further and we have a Top 10 list of themes. We’ll review those and ask you to identify which are most important to you. Does anyone feel that there is a major theme area that we haven’t captured?

*This is the list of Common Themes garnered from the previous activity.*

1. Technology (connected/automated/on-demand)
2. Efficiency/optimized infrastructure
3. More choices for personal travel (transit & multi-modal)
4. Connectivity (intrastate/interstate/global)
5. Quality of experience/life
6. Innovative funding & financing
7. Intermodal integration for freight
8. Transportation to support economic diversification
9. Balance of growth and environment
10. Changing demographics (aging/millennials)

**Aivars Lode, IT Capital:** To me, there are a number points that are interconnected rather than being individual themes. You could go from ten to six by combining some of these listed here.

Milo: Are there any that are separate now that should be connected?

**Aivars Lode, IT Capital:** Technology and connectivity, intermodal efficiency. They could be connected. 1, 2, 4, and 7.

**Comment:** Safety was not identified as a major theme area.
Comment: Combine 3, 5, 9 and, potentially, 10. And maybe add a theme for safety. These have to do with broad trends - sociology, cultural demands to find new ways to get around. Several themes: health, fitness, household economy and new urban mobility.

Milo: Any other observations?

Andrea: Do you see natural combinations?

Comment: Leave them as they are.

Andrea: We need to find a way to add safety. We’d need to combine two to add safety.

Comments: Several suggestions to combine 5 and 9.

Comments: Quality of life means being able to ride my bike to the library or to school. I don’t see where bike paths would solve the environment.

Milo: Those two items (quality of life and experience and the balance) were the synthesis of several inputs to the boards. Let’s see what we can combine and see if we can add safety. We’re looking at some specific themes to work on.

Comment: Quality of life/experience is the output of all of these.

Milo: So we could add safety to quality of life as an option. So, we’ll add safety to #5.

Elizabeth Fleming, Defenders of Wildlife: On the balancing growth with the environment. We also need to conserve healthy environments in the state.

Comment: Could you add “safe choices for personal travel” to #3?

John Kaliski: #9 – reword as balancing decision making to preserve Florida’s environment.

Andrea: Grab a polling device from the center of the table. You’ll pick the top three most important themes in order of priority.

The changes that were suggested in the previous discussion were incorporated into the original Top 10 list of themes and participants voted for their Top 3.

Note: For polling activities, participants were asked to anonymously rate their individual top three for each polling slide to follow. The polling results show the weighted totals, with the first choice weighted at 37%, the second choice weighted at 33% and the third choice weighted at 30%. The polling results for each slide to follow uses the above weighting percentages to net the cumulative totals.
Choose Top 3 Most Important Themes

1. Technology (connected/automated/on-demand) – 16%
2. Efficiency/optimized infrastructure – 12%
3. More safe choices for personal travel (transit & multi-modal) – 13%
4. Connectivity (intrastate/interstate/global) – 10%
5. Quality of experience/life & Safety – 14%
6. Innovative funding & financing – 10%
7. Intermodal integration for freight – 5%
8. Transportation to support economic diversification – 8%
9. Balancing decisions to preserve Florida’s Environment – 8%
10. Changing demographics (aging/millennials) – 4%

Top 3 Most Important Themes
1. Technology (connected/automated/on-demand)
2. Quality of experience/life & Safety
3. Efficiency/Optimized Infrastructure
Activity 3a: Identifying Bold Ideas to Realize our Vision

Activity 3a: Identifying Bold Ideas to Realize our Vision

Step 1: Pick a Theme in which you have interest and join a corresponding Team.

- Theme 1: _______________________________ (Teams 1 - 5)
- Theme 2: _______________________________ (Teams 6 - 10)
- Theme 3: _______________________________ (Teams 11 - 15)
- Theme 4: _______________________________ (Teams 16 - 20)
- Theme 5: _______________________________ (Teams 21 - 25)
- Theme 6: _______________________________ (Teams 26 - 30)

Step 2: Appoint a Keyboarder & Spokesperson.

Step 3: In the brainstorming software, enter Bold Ideas (one at a time) that will enable us to realize our Transportation Visions.

Step 4: When prompted, review the full list of Bold Ideas and, as a team, pick your Top 1 – 2 Bold Ideas and drag and drop them in the “Best Bucket.” Note: You will see Bold Ideas being generated by other teams in real time! You can select any of the ideas that are generated.

Helpful Strategic Planning Definitions

**Vision:** An aspirational description of what we want to achieve in the future.

**Goal:** An observable and measurable end result achieved within a specific timeframe.

**Bold Idea:** A method or plan chosen to bring about a desired Vision/Goal.

Andrea: Here are the Team assignments for each theme area.

<table>
<thead>
<tr>
<th>Themes</th>
<th>Teams</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theme #1: Technology connected/automated/on-demand</td>
<td>Teams 1-5</td>
</tr>
<tr>
<td>Theme #2: Quality of experience/life</td>
<td>Teams 6-10</td>
</tr>
<tr>
<td>Theme #3: More choices for personal travel (transit &amp; multi-modal)</td>
<td>Teams 11-15</td>
</tr>
<tr>
<td>Theme #4: Efficiency/optimized infrastructure</td>
<td>Teams 16-20</td>
</tr>
<tr>
<td>Theme #5: Connectivity (intrastate/interstate/global)</td>
<td>Teams 21-25</td>
</tr>
<tr>
<td>Theme #6: Innovative funding &amp; financing</td>
<td>Teams 26-30</td>
</tr>
</tbody>
</table>
Andrea: When you get to your Team area, you’ll be coming up with big, bold ideas. You’ll be working in our brainstorming software. You will type in an idea and insert it to the bold ideas bucket. As you are doing that, you’ll see the ideas coming from the other teams as well. In a short time, we’ll have 20 or 30 ideas. After we get a solid list, we’ll ask you to select your top two ideas, from any on the list, and drop those into the “Best” bucket. We’ll emerge with the top ten ideas for our top six themes.

After we have these top best ideas for each theme, we’ll come back together to poll each of the top ideas in the six themes. The facilitators will work with you to get you into your teams.
**Activity 3b: Ranking of Top Bold Ideas for Each Theme**

We will reconvene as a full group and review and rank our *Top Bold Ideas for each Theme*!

Participants brainstormed ideas for each of the six themes. They were asked to move their favorite ideas to the "best" bucket. For each theme listed below, the first list of "bold" ideas are those ideas that were not moved to the best bucket, followed by the ideas that were moved to the "best" bucket. Then, after discussion and, in some cases, the combination of similar ideas, participants voted for their top ideas. The voting slide follows the brainstorming lists.

Robert: So we’ll look at your best ideas and then do some polling. Let’s start with Technology.

**Team Brainstorming and Voting for Each Theme**

**Technology: (Connected/automated/on-demand) Teams 1-5**

**Additional Bold Ideas not Selected for “Best” Bucket**

1. Connected automated on-demand (Team 4)
2. LED roadway panels: dynamic/temporal lane shifts (Team 4)
3. Crowd sourcing network optimization: continuous streaming / all modes (Team 4)
4. Universal payment (tolls, parking, bus, taxi, flights, fuel, electric) (Team 4)
5. Drone aerial corridors (Team 4)
6. Efficient freight sharing: cargo from many suppliers/vendors merged for local/regional deliveries (Team 4)
7. Hologram go-to meeting (Team 4)
8. Automated transit solutions (by private sector) (Team 4)
9. Digital strategy overlay on physical infrastructure - optimized routing for all users (Team 3)
10. Hyper loop / maglev (Team 3)
11. Control your car with smartphone (Team 2)
12. Automated capacity management at ports -- check-in/check out (Team 3)
13. Automated capacity management (Team 3)
14. Route control software for rental cars (Team 2)
15. Flying cars, helicopter cars, automated flying cars (Team 3)
16. Maximize telecommuting opportunities (Team 2)
17. "Triathlon" mobility - fly, drive, swim, Segway (Team 3)
18. Air routes technology for flying cars (Team 2)
19. Driverless cars, code GPS route in vehicles (Team 2)
20. Container management - better use of FL port facilities by type of goods (Team 3)
21. Vehicle communication with infrastructure (Team 2)
22. Local freight delivery via air route to deliver on rooftops of stores (Team 2)
23. Distributed manufacturing - 3d printing, specialized part distribution local (Team 3)
24. Optimize technology to use vertical space (Team 2)
25. Shared use automated vehicle fleets reduce parking by 90R% (Team 3)
26. Next-gen drones PAST local delivery? (Team 3)
27. Technology tool to help connect land use and transportation planning (Team 2)
28. Automated parking garage (Team 2)
29. Improve incident management technology (Team 2)
30. Coordinated evacuation strategies with real-time communications and automated vehicles (Team 3)
31. Vehicle share - rent the trips that you need no more multi-purpose generalized vehicle ownership (Team 3)
32. Improve traffic modeling and simulation tools for compatibility with other advancements (Team 2)
33. Vehicle redesign - collapsible vehicles, "transformers", fit into variety of spaces (Team 3)
34. Next-gen alternative fuels - super efficient solar collection (Team 3)
35. Auto-charging electric roadways (Team 3)
36. No more need for physical signage? all embedded in the vehicle or possibly in your brain through neuro implants (Team 3)
37. Embedded law enforcement module in your car (Team 3)
38. Robotic tele present avatars (Team 3)

**Best Bold Ideas**
1. Air routes technology for flying cars and drones (Team 4)
2. Aerial transportation corridors (Team 2)
3. 3D printing (at home manufacturing) (Team 4)
4. Spaceports - Tallahassee to Dade in 15 minutes (Team 4)
5. Moving infrastructure (Team 2)
6. Personal rapid transit networks (Team 3)
7. Dynamic transportation management - no red lights, automated intersection control (Team 3)
8. Point-to-point distribution models versus hub and spoke operations (Team 3)
9. Seamless national Wi-Fi network (Team 2)

**Voting Results for Technology:**

<table>
<thead>
<tr>
<th>Option</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air routes technology for flying cars and drones</td>
<td>8%</td>
</tr>
<tr>
<td>Aerial transportation corridors</td>
<td>8%</td>
</tr>
<tr>
<td>3D printing (at home manufacturing)</td>
<td>5%</td>
</tr>
<tr>
<td>Spaceports - Tallahassee to Dade in 15 minutes</td>
<td>5%</td>
</tr>
<tr>
<td>Moving infrastructure</td>
<td>9%</td>
</tr>
<tr>
<td>Personal rapid transit networks</td>
<td>12%</td>
</tr>
<tr>
<td>Dynamic transportation management - no red lights, automated intersection control</td>
<td>24%</td>
</tr>
<tr>
<td>Point-to-point distribution models versus hub and spoke operations</td>
<td>16%</td>
</tr>
<tr>
<td>Seamless national Wi-Fi network</td>
<td>13%</td>
</tr>
</tbody>
</table>
### Top 3 Bold Ideas for Technology

1. Dynamic transportation management — no red lights, automated intersection control.
2. Point-to-point distribution models versus hub and spoke operations.
3. Seamless national Wi-Fi network.

**Robert:** All of your great ideas will be part of the Real-Time Record, we’re just putting some prioritization to them.

### Quality of Experience, Life and Safety (Teams 6-10)

**Additional Bold Ideas not Selected for “Best” Bucket**

1. All communities should be walkable (Team 8)
2. Land use maps/code and zoning modified to advance diversity of uses (Team 8)
3. Interconnected trail system throughout Florida (Team 7)
4. Eliminate bike and ped fatalities (Team 7)
5. Improve marketing of safety information/education (to walkers, bicyclists, etc.) (Team 7)
6. Better marketing of information/education on safe travel (by walker, bicyclists, etc.), have message match audience (Team 7)
7. Performance measures/standards (and targets) for and across all modes (Team 7)
8. Improve education as well as engineering in transportation systems (Team 7)
9. Have performance measures/standards for all modes not just auto/road (Team 7)
10. Re-implement neighborhood schools (Team 7)
11. Design roadways from the most vulnerable user (ped) to the least vulnerable (truck) (Team 8)
12. Improved infrastructure for emergency/EMS access to all facilities (not just roads) (Team 7)
13. Transportation ramification on health in planning (Team 8)
14. Defining safe routes to be more implementable (Team 8)
15. Convenient, affordable and sustainable multimodal transportation (Team 6)
16. Equity for all users (Team 7)
17. Funding based on lifestyle effects (Team 8)
18. Increase funding for expanding community driven mobility options (Team 8)
19. Flex schedules, 32 hours work week, more balanced lives to spend with family/leisure time (Team 6)
20. Context sensitive design standards - community driven (Team 8)
21. System level perspective providing for integration of transportation with land uses/housing, environmental protection, economic development and prosperity, etc. (Team 7)
22. No congestion levels (Team 6)
23. Travel time reliability and variability (Team 6)
24. Increase mixed uses, including recreation, culture, and other activities in communities (Team 6)
25. Traffic Calming in Design (Team 8)
26. Increase priority of education and research centers to provide specialized training
work force (Team 6)
27. Combine transportation, land use and conservation planning (Team 8)
28. Double your income per capita and increase your educational attainment (double the percentage of people that obtain high level degrees) (Team 6)
29. Expanding public transportation network (Team 8)
30. Inter and intra city public transit (Team 8)
31. Safe access to all modes of transportation (Team 8)
32. Preserve rural spaces while improving rural access (Team 8)
33. Avoid disrupting existing natural resources with new corridors (Team 8)
34. Improve marketing of safety information/education for pedestrians, bicyclists, etc. (Team 7)
35. Limit hardscape to minimum needed areas (Team 8)
36. Have performance measures/standards and targets for and across all modes of travel (Team 7)
37. Eliminate barriers to public transportation (Team 7)
38. Policy to connect TIA to transportation as mobility and accessibility (Team 8)
39. What is TIA? (Team 7)
40. Policy to connect Transportation Impact Analysis to focus on non-automotive mobility and accessibility (Team 8)
41. Ensure all segments of the population are served by transportation services/investments (Team 7)
42. Complete Streets with Complete Land Use options (Team 8)
43. Urban Growth Boundaries (Team 8)
44. Embrace technology and the right private solutions (Team 6)
45. Parking requirement modifications (Team 8)
46. Parking impact fees (Team 8)

Best Bold Ideas
1. Have the best education system in the nation (Team 6)
2. Context based design (Team 7)
3. Preserving a health environment (Team 8)
4. Zero transportation related fatalities (Team 6)
5. Support aging in place (Team 7)
6. Design roadways from the most vulnerable user (ped) to the least vulnerable (truck) (Team 8)
7. Better coordination between state and local levels (Team 7)
8. Safe access to all modes of transportation (Team 8)
9. Preserve land uses through zoning strategies for environmental protection (Team 6)

Robert: Can we get some clarification on #2 – context based design?

DeWayne Carver, FDOT: Design the transportation system based on where it is located. You not only want a safe design, but also a design that is appropriate for the area or space where you need it.
Robert: Can we get a clarification for #5 - Support aging in place?

Comment: It would be nice if elderly residents could stay where they are living instead having to move to a different area. This would require providing transportation options for older residents who may no longer drive.

Comment: #3 should read “healthy environment”

Voting Results for Quality of Experience/Life & Safety:

Choose Your Top 3 Bold Ideas for the Theme 2: Quality of experience/life & safety

1. Have the best education system in the Nation – 13%
2. Context based design – 16%
3. Preserving a health environment – 9%
4. Zero transportation related fatalities – 11%
5. Support aging in place – 9%
6. Design roadways from the most vulnerable user (ped) to the least vulnerable (truck) – 10%
7. Better coordination between state and local levels – 10%
8. Safe access to all modes of transportation – 16%
9. Preserve land uses through zoning strategies for environmental protection – 6%

Top 3 Bold Ideas for Quality of Experience/Life & Safety
2. Safe access to all modes of transportation.
3. Have the best education system in the nation.
More Safe Choices for Personal Travel (Transit & Multi-Modal) (Teams 11-15)

Additional Bold Ideas not Selected for “Best” Bucket
1. Equilibrium for modes when it comes to financing (Team 13)
2. Multimodal trip planning applications (Team 11)
3. Guaranteed minimum frequencies of public transportation service with extension of service hours (Team 11)
4. Barrier separated pedestrian and bicycle facilities (Team 11)
5. Pedestrian overpasses in large intersections with people movements; including escalators and elevators (Team 13)
6. Dedicated transit lanes throughout Florida (Team 13)
7. Make car ownership more cost prohibitive (Team 13)
8. Showers, safe bike racks, and electric charging stations accessible around and in the workplace (Team 13)
9. Utilize bike and pedestrian impact statements for new developments or redevelopments (Team 13)
10. Zero deaths on the road (for pedestrians, bicyclists) (Team 13)
11. More "complete streets"--i.e. improve land use so essentials/stores are closer to residences--increase sidewalks and bike lanes (Team 13)
12. Have alternative modes be elevated in prominencevalidity (Team 13)
13. Better transit on demand to get to "last mile"destination (Team 13)
14. Locate schools into communities rather than cheapest location (Team 12)
15. Improvement of intersections for lighting, signals, crosswalks, center islands, pedestrian overpasses, etc. (Team 13)
16. Incentives to promote the use of alternative modes through transportation demand management. (Team 11)

Best Bold Ideas
1. High capacity passenger rail that connects urban centers with other modes throughout the state. (Team 11)
2. Demonstrations and education for how people can safely access trains/transit (i.e. for how you can feasibly use a bike in a city utilizing available transit options from start to finish); Incentives to promote the use of alternative modes through transportation demand management. (Team 13)
3. Mixed use and vertical development patterns (Team 11)
4. Humanize infrastructure--so it is focused more on people and less on cars; train engineers to humanize (Team 13)
5. System of pedestrian, bike and transit connectivity from local to interregional (Team 12)
6. System of on and off road bike and pedestrian facilities (system connectivity) (Team 12)
7. Combining rail and trail (Team 12)
8. Integrating land use and transportation planning (Team 12)
9. Universal fare card for all transportation modes (car, bus, train, bike share programs, etc); better transit on demand to get to "last mile"destination (Team 13)
Comment: Clarification on #7?

Comment: There are 220 railroad/trails combinations in the country – combine bike trails and rail trails together and there are two recorded fatalities. Also, combine so you can a ride bike to the station and then take the train.

**Voting Results for More Safe Choices for Personal Travel (Transit & Multi-modal):**

Choose Your Top 3 Bold Ideas for the Theme 3:
More safe choices for personal travel (transit & multi-modal)

1. High capacity passenger rail that connects urban centers with other modes throughout the state. – 18%
2. Demonstrations and education for how people can safely access trains/transit (ie for how you can feasibly use a bike in a city utilizing available transit options from start to finish); Incentives to promote the use of alternative modes through transportation demand management. – 6%
3. Mixed use and vertical development patterns – 11%
4. Humanize infrastructure–so it is focused more on people and less on cars; train engineers to humanize – 9%
5. System of pedestrian, bike and transit connectivity from local to interregional – 13%
6. System of on and off road bike and pedestrian facilities (system connectivity) – 3%
7. Combining rail and trail – 5%
8. Integrating land use and transportation planning – 18%
9. Universal fare card for all transportation modes (car, bus, train, bike share programs, etc); better transit on demand to get to “last mile”/destination – 17%

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**Top 3 Bold Ideas for More Safe Choices for Personal Travel (Transit & Multi-Modal)**
1. High capacity passenger rail that connects urban centers with other modes throughout the state.
2. Integrating land use and transportation planning.
3. Universal fare card for all transportation modes (car, bus, train, bike share programs, etc.); better transit on demand to get to “last mile”/destination.

**Robert:** Milo will take us through the remaining three themes.
Efficiency/Optimized Infrastructure (Teams 16-20)

Additional Bold Ideas not Selected for “Best” Bucket
1. Proactive vs reactive demand management (Team 17)
2. Industrial land road access (Team 17)
3. Increasing tonnage on the roads to reduce carbon footprint (85 or 87k lbs) and changing infrastructure to support it (new standards) (Team 16)
4. Transportation system (all connected) (Team 18)
5. Longevity (Team 18)
6. Population is generally on the coasts and I-4 corridor, need to utilize and access the interior of the state appropriately for international and regional distribution centers/intermodal logistics centers by all modes (Team 16)
7. Commerce corridors (Team 18)
8. Optimize infrastructure with proactive federal regulations (to allow pilots such as cold treatment) (Team 16)
9. Optimize for global growth (Team 18)
10. State-orchestrated true collaboration among private companies to improve use of Florida's multimodal and intermodal infrastructure (Team 16)
11. Direct growth into urban areas (Team 18)
12. Regulatory incentives to encourage "good behavior" and shared access/utilization of land and infrastructure (Team 16)
13. Multimodal (ped too) capacity investments (Team 18)
14. Identification of dedicated commerce corridors (Team 18)
15. Workforce needs to be able to support freight jobs- land uses must match and encourage accessibility (work/play/live) (Team 16)
16. Programming operations/maintenance on all modes (Team 18)

Best Bold Ideas
1. Digital network to support physical network to visualize available capacity: Will allow for 30% more capacity in existing infrastructure (Team 17)
2. Public Policy to support P3s in a digital realm (Team 17)
3. Enhanced partnership/stakeholder sharing architecture (Team 17)
4. Densification of multimodal facilities (Team 16)
5. Proactive planning for right of way/corridor/land use needs far into future (all modes freight & passenger, pipelines, communications conduit, etc.) (Team 16)
6. Unified Team approach to economic development with state agencies to international business opportunities (Team 18)
7. Intramodal collaboration (Team 17)
8. Real time technology to track (containers, etc.) (Team 16)
9. Super SIS including commerce corridors (Team 18)
Milo: Do we need clarification on any of these?

#4 – Densification of multimodal facilities

Nancy Leikauf, Leikauf & Associations: It speaks to using all the land facilities through technology, movement of commodities. Making a small footprint and making it more efficient.

#2 – public policy to support P3’s in digital realm

Aivars Lode, IT Capital: Currently P3 partnerships are geared around infrastructure produced by private bodies. There is no infrastructure for digital infrastructure provided by public assets.

#4 – (again)

Nancy Leikauf: To optimize all the modal facilities. Utilize an intermodal transfer facility. Use real-time technology to move things. Maximize each facility to its greatest extent.

Milo: In manufacturing, we talk about increasing underutilized capacity. Is that fair? (Yes).

#9: Super SIS that includes commerce corridors

Toy Keller, Florida Ports Council: Florida has come a long way in becoming strategic in forming the infrastructure. This takes it to the next level. Looking from the outside in, not just inside out.

Milo: Like considering some airports to be hubs. So a super SIS that is more like a hub.

Voting Results for Efficiency/Optimized Infrastructure:

Choose Your Top 3 Bold Ideas for the Theme 4: Efficiency/optimized infrastructure

1. Digital Network to Support Physical Network to visualize Available Capacity: Will allow for 30% more capacity in existing infrastructure – 16%
2. Public Policy to Support P3s in a Digital Realm – 7%
3. Enhanced Partnership/Stakeholder Sharing Architecture – 4%
4. Densification of multimodal facilities – 11%
5. Proactive planning for ROW/corridor/land use needs far into future (all modes freight & passenger, pipelines, communications conduit, etc.) – 19%
6. Unified team approach to economic development with state agencies to international business opportunities – 10%
7. Intramodal Collaboration – 12%
8. Real time technology to track (containers, etc.) – 12%
9. Super SIS including Commerce Corridors – 9%
Top 3 Bold Ideas for Efficiency/Optimized Infrastructure
1. Proactive planning for ROW/corridor/land use needs far into future (all modes freight & passenger, pipelines, communications conduit, etc.)
2. Digital network to support physical network to visualize available capacity: will allow for 30% more capacity in existing infrastructure.
3. Two items tied for third place:
   - Intramodal collaboration.
   - Real time technology to track (containers, etc.)

Connectivity (intrastate/interstate/global) (Teams 21-25)

Additional Bold Ideas not Selected for “Best” Bucket
1. Rail connectivity at ports (Team 21)
2. Improve intergovernmental coordination (Team 21)
3. Continue optimizing existing interstate corridors (Team 21)
4. Last mile congestion (Team 21)
5. Design for different contexts - areas - land uses (Team 21)
6. Use alternate underutilized routes (Team 21)
7. Expanded use of air corridors (Team 21)
8. Better connected transportation hubs (all modes) (Team 21)
9. Use all available space above and below corridors (Team 21)
10. Advanced planning for use of corridors (Team 21)
11. Bypasses? (Team 21)
12. Truck only corridors or lanes (Team 21)

Best Bold Ideas
1. Multi-purpose multi-modal corridors (Team 21)
2. Special purpose lanes (Team 21)
3. Connectivity of freight AND passenger facilities (Team 21)
4. Global gateway corridors (Team 21)
5. Expanded use of waterway corridors (Team 21)
6. Expanded use of air space and commuter air travel (Team 21)
7. Agree on common vision for connecting hubs (Team 21)
8. Multimodal passenger facilities or network (Team 21)
9. Holistically system-wide network planning (Team 21)
10. High tech corridors (Team 21)

Clarifications:
#6 – expanded use of air space and commuter air travel

Comment: Like using drones to deliver personal packages. Using smaller airline commuter flights to go in between Florida cities without having to go through Atlanta.
#4 – Global gateway corridors?
*No clarification provided.*

#9 – Holistically system wide network planning
*No clarification provided.*

**Milo:** Remember that we are capturing a snapshot of the energy and importance. We will include all of your ideas in the Real-Time Record.

**Voting Results for Connectivity (Intrastate/Interstate/Global):**

<table>
<thead>
<tr>
<th>Choose Your Top 3 Bold Ideas for the Theme 5: Connectivity (intrastate/interstate/global)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Multi-Purpose Multi-Modal Corridors – 23%</td>
</tr>
<tr>
<td>2. Special Purpose Lanes – 8%</td>
</tr>
<tr>
<td>3. Connectivity of Freight AND Passenger Facilities – 10%</td>
</tr>
<tr>
<td>4. Global Gateway Corridors – 4%</td>
</tr>
<tr>
<td>5. Expanded Use of Waterway Corridors – 6%</td>
</tr>
<tr>
<td>6. Expanded Use of Air Space and Commuter Air Travel – 7%</td>
</tr>
<tr>
<td>7. Agree on Common Vision for Connecting Hubs – 8%</td>
</tr>
<tr>
<td>8. Multimodal Passenger Facilities or Network – 13%</td>
</tr>
<tr>
<td>9. Holistically Systemwide Network Planning – 11%</td>
</tr>
<tr>
<td>10. High Tech Corridors – 10%</td>
</tr>
</tbody>
</table>

**Top 3 Bold Ideas for Connectivity (Intrastate/Interstate/Global)**

1. Multi-purpose, multi-modal corridors.
2. Multi-modal passenger facilities or network.
3. Holistically system wide network planning.
Innovative Funding and Financing (Teams 26-30)

Additional Bold Ideas not Selected for “Best” Bucket
1. Advertising to collect revenue (Team 15)
2. Commercializing the right of way (Team 28)
3. Inductive re-charging fees (Team 28)

Best Bold Ideas
1. VMT- Vehicle Miles Travelled fee (Team 15)
2. Transition the revenue stream from one based on fuel consumption to one based on consumption of the transportation utility. (Team 28)
3. More managed lanes to increase capacity while enabling existing funding to be used for preservation (Team 15)
4. Indexing federal and local fuel taxes (Team 28)
5. Value capture (e.g.: tax increment financing, benefit assessment district) (Team 28)
6. Dedicated commercial freight lanes - tolled (Team 15)
7. Use of transportation infrastructure for energy generation (Team 28)
8. Tolling the interstate highway system freeing fuel taxes for off system and other transportation modes (Team 28)
9. Barter for transportation commodities/infrastructure (Team 15)
10. Solar highways (Team 28)

Clarifications:

Comment: There were two groups thinking the same thing – Numbers 1 and 2 are really the same things. *These items were combined.*

Comment: Seven and 10 are the same. *These items were combined.*

#6 – Use of transportation infrastructure for energy generation / solar highways
Comment: There are two ways of looking at it. A system of panels that you make the roadway out of that produce electricity or panels along the side that produce electricity.

#2 – More managed lanes to increase capacity.
Comment: Adding capacity, one lane will be tolled. The other three lanes won't be.

#3 – Indexing federal and local fuel taxes.
Comment: The state fuel tax is indexed to CPI, but the federal and local taxes are not.

#8 – barter for transportation commodities/infrastructure
Comment: This has been done; use the infrastructure in exchange for services.
Voting Results for Innovative Funding & Financing:

Choose Your Top 3 Bold Ideas for the Theme 6: Innovative funding & financing

1. VMT- Vehicle Miles Travelled /Transition the revenue stream from one based on fuel consumption to one based on consumption of the transportation utility. – 28%
2. More managed lanes to increase capacity while enabling existing funding to be used for preservation – 18%
3. Indexing federal and local fuel taxes – 13%
4. Value capture (eg: tax increment financing, benefit assessment district) – 7%
5. Dedicated commercial freight lanes – tolled – 7%
6. Use of transportation infrastructure for energy generation / Solar highways – 16%
7. Tolling the interstate highway system freeing fuel taxes for off system and other transportation modes – 7%
8. Barter for transportation commodities/infrastructure – 4%

Milo: Thank you for your continued energy and to the spokespersons for providing clarification. We frequently talk about transit being inter or intra modal. Today, in some ways, this has been like that. There is a lot of connectivity there. There are various bold ideas that consisted of innovations, like an infrastructure that moves. We had benchmarks – zero road-related fatalities. Support for aging in place, protecting pedestrians.

Andrea: Great work today, everybody. I’d like to ask Jonathan to speak to his masterpiece.
Presentation of Artwork

Jonathan Massie: We wanted to try to come up with a way to address all the things that were presented today. Tomorrowland, It’s a Small World. The idea of Tomorrowland – a walking community. A community that is supported by technology. Smart technology – having someone live in a smart home – they have a smart wife, a smart kid. Kids are wearing smart helmets. The lady with virtual glasses. You have an urban neighborhood where they can walk to school, to work. Also, organic produce – you can still get fresh, get healthy. Thinking about the sidewalks and the roads. Maybe there’s an opportunity to gather information. How many people are using the sidewalks and the roads? Gathering data about who’s using the roads. Solar roads, the idea of taxing. Maybe in 50 years, there is no “rubber meeting the road” because there are no tires. Everyone is coming to Florida. It’s a Small World – vehicles, planes, trains, spaceports, are coming all together supporting influx and growth. Back to the Future – the city, the countryside, inland growth, agriculture and the environment are all supported in Back to the Future. Trying to tie all these buckets together.
Andrea: A picture of this masterpiece will be delivered to the DOT tomorrow.

Closing Remarks

Jim Wood: Please thank the Collaborative Labs. I want to thank our consultants: Cambridge Systematics. Thank you for being here. I want to go through a quick summary of what’s next.

We will have the Real-Time Record on the web site. We have regional forums in February. We’ll have a document coming out of this whole process in February to March. We will appointment a Steering Committee which will have six meetings in 2015 beginning in January. We also will have advisory groups. The steering committee will stay at a higher level and the more detailed work will happen at the advisory group level. We’ll have partner briefings and then regional workshops beginning in the summer. We’ll have a statewide policy summit – a transportation conference. We’ll have a draft FTP and SIS plan.

This is the website. It was requested that the presentation we did this morning be put on the website, which is already done. We’ll also have the Real-Time Record from today on the website.

Again, thank you for staying for the afternoon. We have a comment/evaluation form in your packets, please fill that out. We’ll collect those on the way out.

Again, thank you for being here today. Have safe travels and happy holidays. Thank you so much.