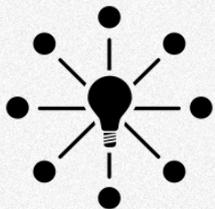


Results



Environment

Environment Results



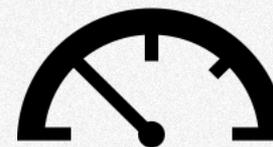
IDEAS

- Partner with AARP to measure transportation/Quality of Life
- Support local efforts to develop mobility solutions for urban areas
- Hire Sustainability Coordinators to work with partners to develop projects
- Eliminate “trip generation” as a development approval criterion in urban areas



ISSUES TO CONSIDER

- Use American Public Health Association’s and FHWA’s Health and Transportation Tool
- More roundabouts where appropriate
- Repurposing parking garages as automated vehicles expand
- Measures of transportation access to health care



POTENTIAL MEASURES

- Develop a standard walkability index methodology
- % of trips that are pedestrian and bicycle
- Time and cost of commuting
- Number of PD&Es that consider resiliency (where appropriate)
- Expanding modal choices
- % of electric vehicles
- % autonomous vehicles
- % of people who drive alone

Comments

We asked Summit participants to complete a survey

The *Performance Summit for Transportation Partners* Environment Webinar was held on May 12. The Summit focused on varied topics related to the impact of Florida's transportation system on the environment and quality places.

Participants were asked to complete a survey. Space was provided to identify possible performance measures, successful outcomes, or other related perspectives.

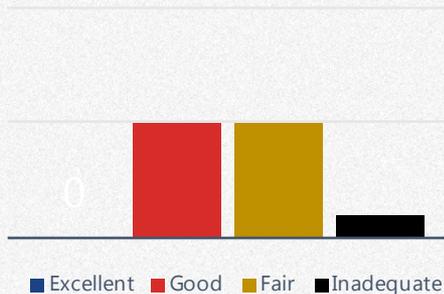
During the Summit, the participants asked questions, and explored ideas for further consideration

Some significant panelist and participant questions, potential performance measures, ideas and issues to consider that could have a bearing on follow-up are also included.

This Summit provided a forum to explore partnering for improved transportation system performance.

Community Context, Values, and Vision

—how well Florida's transportation system is planned, designed, and constructed/improved to mesh with surrounding communities, their values, priorities, vision for the future, etc.



IDEAS

- Context is key – walkability indices/scores
- Implementation of Complete Streets
- Emphasizing small blocks, speeds below 25 mph, on street parking, minimal curb cuts, 5-minute walk to transit
- Sidewalks not appropriate for all areas (i.e., rural or some suburban areas)
- Support local gov'ts to design mobility solutions for compact urban areas
- Eliminate “trip generation” as a development approval consideration in compact urban areas
- Transit types and headways should be appropriate to the context
- Partner with AARP to measure communities quality of life
- SCE Evaluation process – looks at community values and demographics

ISSUES TO CONSIDER

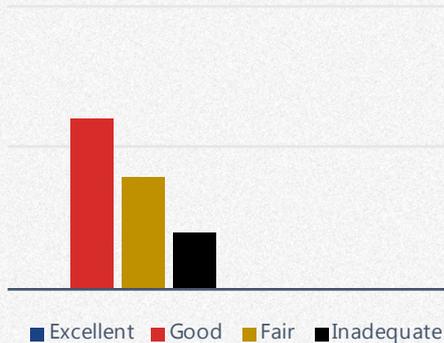
- Implement sustainability principles in project development and create statewide sustainability coordinator positions to work closely with FDOT and local partners
- Incorporate health, quality of life and access to economic opportunity not just focus on mobility
- Is the resistance to context-based walkable urban design coming from government, business or residents?
- Would a compact urban place design guide and technical resource team developed by FDOT help local governments build/restore quality urban places?
- Are real estate industry walkability scores meaningful/useful/harmful?
- Developing a standard Walkability Index would be a good partnership/collaboration between FDOT and the real estate industry

POTENTIAL MEASURES

- Frequency of collisions between cars and people
- % Off-peak traffic speeds < 25 mph for compact urban areas
- Measure mode shift in compact urban areas toward walking, biking, transit
- Number and extent of areas qualifying for “transportation credit mortgages”

Accessibility

—how well Florida's transportation infrastructure and services support accessibility to health care services, human services, education, and other vital community assets.



IDEAS

- Support active transportation and healthy activities
- “Emergency Management Tracking Dataset” – voluntary reporting system that reports drive times – connection between health and its outcomes - EMS is reporting into this dataset for the past couple of years – might be a good source of data for emergency related information
- “Behavioral Risk Factors Surveillance System” – considering asking if transit is/has been a barrier to the access to Health Care – there may be some data limitations

ISSUES TO CONSIDER

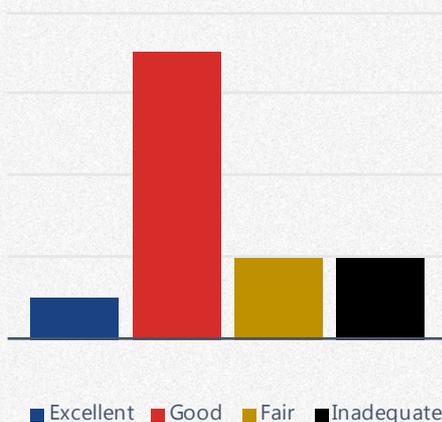
- Build sidewalks where needed, consider the context of their placement
- Is the resistance to context-based walkable urban design coming from government, business or residents?
- Are real estate sales industry walkability scores meaningful/useful/harmful?
- Would a walkability Index methodology prepared and promoted by FDOT be a useful?
- Modal choices for populations in need (proximity and access)

POTENTIAL MEASURES

- FDOH Health Environmental Health Tracking Portal
- American Public Health Association’s and US DOT’s Health and Transportation Tool
- Healthiest Weight Florida with liaisons in all 67 County Health offices
- Well maintained sidewalks
- Facilities to support commuting to work by bicycle
- Walking/hiking trails
- Not just the sidewalks/trails, but the connectivity between them that allows people make their trips without the need for a car
- Busses with bike racks

Environmental Stewardship

—how well the planning, design, improvement, and maintenance/operation of Florida's transportation system and services complement environmental stewardship.



IDEAS

- There should be consideration in minimizing acreage of lane miles built, while optimizing use of existing capacity. Roadway corridors are massive heat islands that still adversely affect water flows despite the effort of FDOT to engineer adequate drainage.
- Centralization of residence and jobs
- Mixed zoning
- Promote low impact infrastructure and effective runoff water routing

ISSUES TO CONSIDER

- Through planning and environmental linkages, we can now proactively incorporate positive environmental features into transportation facilities
- Study public/local businesses to find out how to get Floridians out of cars and into transit/bike/ped

POTENTIAL MEASURES

- Water flow
- Water quality
- Wildlife crossings
- % meeting existing storm water goals
- Number of road-killed Florida panther, black bear and imperiled species.
- Number of wildlife crossings and fencing at locations of concentrations of panther and bear roadkills
- Number of injuries and fatalities per 1000 alternative transportation users

Energy

—how well Florida's transportation system and services for moving people and goods support efficient use of energy, promote conservation, make use of alternative energy sources, etc.



IDEAS

- Move toward clean burning vehicles (CNG, other types)
- Is there a trend solar capture on the roads?
- Utilize unique ocean access and weather patterns to our advantage (innovative ideas)
- Telecommuting should be promoted to reduce congestion and reduce emissions

ISSUES TO CONSIDER

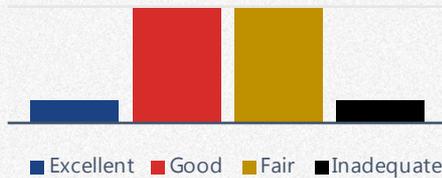
- Autonomous and shared vehicles may dramatically reduce the need for parking garages in the next 10-15 years – how will we repurpose these structures?
- Congestion mitigation supports energy efficiency as well as air quality improvement
- Convey assumptions for a baseline and measure trend - embedded energy use, estimate energy consumption of travel modes, track over time

POTENTIAL MEASURES

- % electric vehicles
- Autonomous vehicles as a % of the total fleet
- Number of PD&E that consider resiliency
- Delay
- Number of roundabouts
- More mode choices instead of more lane miles
- Number of charging and refueling stations per 1000 electric and natural gas vehicles

Transportation Alternatives

—the value and impact of various transportation alternative/ transportation enhancement projects such as bicycle and pedestrian accommodation, trails, safe routes to schools, etc.



IDEAS

- Florida State Health Improvement Plan (current plan is being updated now)
- More connectivity between communities in multiple ways

ISSUES TO CONSIDER

- Transportation/land use connection
- What measures can be tracked to ensure health is a consideration for transportation planning?
- What health outcomes should be tracked?
- What impact will the new FDOT SUN Trails program have on your efforts?
- Transportation alternatives (bike/ped/transit) exist within urbanized areas but not connecting them

POTENTIAL MEASURES

- % of people using alternative means of transportation
- Average number of public transportation trips that a resident takes per year
- % of all trips made by foot or by bicycle
- % of the workforce that drives alone to work
- % of people who live within 500 feet of a high traffic roadway
- Number of transportation projects that include a Health Impact Assessment
- % of Floridians that had difficulty obtaining transportation to their doctor's office
- (Decreasing) motor vehicle miles traveled compared with (increasing) passenger miles traveled
- Pedestrian miles traveled
- Bicycle miles traveled
- Mode choices/options
- Number of miles of buffered bike lanes & sidewalks

Other

Please identify any additional aspects of Mobility not covered above:

IDEAS

- Communicate measures with MPO citizen outreach staff
- Questionnaire with scaled answers as to importance of proposed impacts - present at local stakeholders meetings
- Encourage and measure shift to active transportation modes

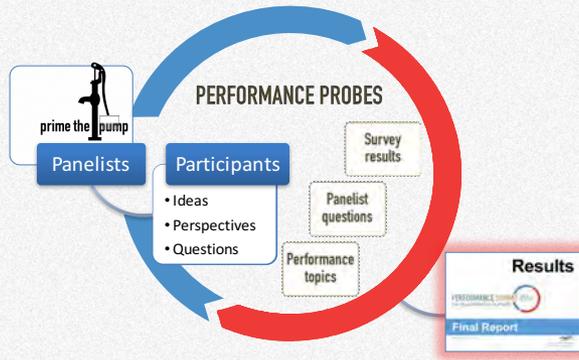
ISSUES TO CONSIDER

- Maintain good FDOT relationships with environmental resource agencies
- Look to other urban areas in the US and around the world, to see if best practices are applicable to Florida
- The vision for more premium transit is clear but where is the commitment to implement premium transit?
- Partnerships with local governments on constructing grid/parallel local facilities
- Land use coordination with FDEO
- Provide access to economic opportunities
- Deploy automated counters along bike/ped facilities that connect origins and destinations to measure change over time.
- Increase of investment made in systems (particularly in urban areas of the state that have very little regional trail investment).

POTENTIAL MEASURES

- Utilize existing annual customer survey
- Proximity of care facilities to State highway systems
- Congestion mitigation in areas of care facilities
- Time spent and cost of commuting in a car
- Home ownership vs. avg. incomes

Panelists



Three panelists helped to "prime the pump" by providing their performance perspectives.

View recording of the Summit:

<http://www.dot.state.fl.us/planning/performance/summit/recordings/EnvironmentSession.mp4>

View Presentations (PDF).

<http://www.dot.state.fl.us/planning/performance/summit/presentations/EnvironmentSession.pdf>

In summary:

- Chris Stahl discussed coordinated planning efforts
- Sam Poole emphasized that context is key to quality places
- Julie Dudley explored how transportation considerations might improve Floridian's health

Chris Stahl

Department of
Environmental
Protection



Sam Poole

Urban Land Institute



Julie Dudley

FL Department of Health



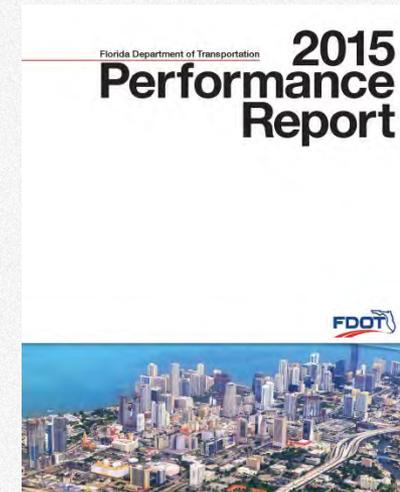
How these results will be used

The ideas and issues demanding attention will all be considered as FDOT develops the Implementation Element of the Florida Transportation Plan.

floridatransportationplan.com

They will also be a key component of the FDOT Performance Workshops that will drive the development of the 2016 Performance Report.

FDOTPERFORMS.ORG



*Florida Transportation Plan:
To inform the Implementation
Element of the plan.*



*Performance Reports
Comments will be considered
for the 2016 Report*
