Sarasota/Manatee MPO
AMPO Conference, October 2017
Dave Hutchinson, Executive Director
1. It’s the LAW so we HAVE TO

Why Are We Doing Performance Management?

- To transform the Federal-aid Highway Program and to provide a means to the **most efficient investment** of Federal transportation funds
- To refocus on **national transportation goals**
- To increase the **accountability and transparency** of the Federal-aid Highway Program
- To **improve decision-making** through performance-based planning and programming
# 1. It’s the LAW so we HAVE TO

## Aligning MPO Project Prioritization with Mandated Performance Measures

<table>
<thead>
<tr>
<th>Federal Highway MAP 21/FAST Act Performance Measures</th>
<th>2040 LRTP Goals</th>
<th>Sarasota/Manatee MPO Performance Measures Implementation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Safety</strong>— Significant reduction in traffic fatalities and serious injuries on all public roads.</td>
<td><strong>Safety/Security</strong> Improve the safety and security of the transportation system for all users</td>
<td>• Address an identified motorized or non-motorized high crash location?</td>
</tr>
<tr>
<td><strong>Infrastructure condition</strong>— Maintain highway infrastructure in a state of good repair.</td>
<td><strong>Infrastructure condition</strong> Improve management, operations, and coordination to promote an efficient transportation system locally and regionally</td>
<td>• Improve safety for vulnerable users?</td>
</tr>
<tr>
<td><strong>Congestion reduction</strong>— Significant reduction in congestion.</td>
<td><strong>Mobility/Concentration/ Reliability</strong> Promote economic vitality and viability through regional coordination of intermodal system</td>
<td>• Improve traffic flow on an evacuation route?</td>
</tr>
<tr>
<td><strong>System reliability</strong>— Improve efficiency of surface transportation system.</td>
<td><strong>Economy/Freight</strong> Improve accessibility and multimodal connectivity by promoting proximity to jobs and efficient movement of freight and goods</td>
<td>• Address aging or deteriorating infrastructure on roads and/or bridges? (as rated by FDOT)</td>
</tr>
<tr>
<td><strong>Freight movement and economic vitality</strong>— Improve national freight network, strengthen rural communities access to national and international trade markets, support regional economic development.</td>
<td><strong>Environment/Livability</strong> Improve environmental sustainability and community livability in coordination with local government comprehensive plans</td>
<td>• Address flooding or stormwater issues in flood hazard areas or storm surge zones?</td>
</tr>
<tr>
<td><strong>Environmental sustainability</strong>— Enhance performance of the system while protecting and enhancing the natural environment.</td>
<td><strong>Project delivery</strong> Allocate funds to projects that enhance regional mobility...continuing to support multimodal accessibility and congestion management...</td>
<td>• Reduce congestion on current or future congested corridors?</td>
</tr>
<tr>
<td><strong>Reduced project delivery delays</strong>— Reduce project costs, promote jobs and the economy, expedite the movement of people and goods by accelerating project completion through eliminating delays in the project development and delivery process.</td>
<td></td>
<td>• Include multi-modal options such as transit, bike lanes, sidewalks, and/or trails?</td>
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<td></td>
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<td>• Improve or expand the Sarasota/Manatee regional roadway network?</td>
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<tr>
<td></td>
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<td>• Include operational improvements?</td>
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<td></td>
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<td>• Expand the advanced traffic management system?</td>
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<td></td>
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<td>• Address a corridor with low travel time reliability?</td>
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<td></td>
<td></td>
<td>• Address a need in a targeted enterprise or economic development zone?</td>
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<tr>
<td></td>
<td></td>
<td>• Make improvements to the adopted freight network?</td>
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<tr>
<td></td>
<td></td>
<td>• Provide new or improved access to a high freight activity center?</td>
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<td>• Improve a route with high truck volume?</td>
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<td></td>
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<td>• Improve a route to a major tourist destination?</td>
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<tr>
<td></td>
<td></td>
<td>• Stay away from critical habitat, wetlands, and endangered species?</td>
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<tr>
<td></td>
<td></td>
<td>• Improve access to transit?</td>
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<tr>
<td></td>
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<td>• Support multimodal livability?</td>
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<tr>
<td></td>
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<td>• Offer alternatives for individuals and families balancing affordable housing and transportation costs?</td>
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<td>• Provide transportation options in low income neighborhoods?</td>
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<td></td>
<td></td>
<td>• Continue or complete an existing MPO priority project?</td>
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<tr>
<td></td>
<td></td>
<td>• Have a local match?</td>
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<td></td>
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<td>• Include a public/private partnership?</td>
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<td></td>
<td></td>
<td>• Advance a local jurisdiction’s top priorities?</td>
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<tr>
<td></td>
<td></td>
<td>• Address an identified need in an FDOT or MPO feasibility study?</td>
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<td></td>
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<td>• Support the priorities of the Long Range Transportation Plan?</td>
</tr>
</tbody>
</table>
Invest resources in projects to achieve individual targets that collectively will make progress toward national goals.

2. **MAKE IT ABOUT MONEY**

**Performance Measures**

**IMPLEMENTATION**

- Reviewed 2040 Long Range Transportation Plan Goals
- Collected and analyzed consistent, readily available data
- Aligned MPO project prioritization with mandated performance measures
- Implemented new scoring criteria with 2017 call for projects
2. **MAKE IT ABOUT MONEY**

**SAFETY/SECURITY:**
- High Crash Location
- Evacuation Route

**INFRASTRUCTURE CONDITION:**
- Fair

**MOBILITY/CONGESTION/RELIABILITY:**
- Low Reliability
- High Congestion

**ECONOMY/FREIGHT:**
- High Truck Volume
- Major Commuter Route

**ENVIRONMENT/LIVABILITY:**
- No Pedestrian/Bike Facilities

*Desoto Bridge*

$7.5 Million for PD&E
3. It's a chance to change for the better

Infrastructure Condition

Maintain highway infrastructure in a state of good repair

Resiliency: Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation.

FAST Act
4. **TAKE YOUR TIME and TELL THE STORY**

**MAP 21 / FAST Act**

**SAFETY AND SECURITY**

Significant **reduction in traffic fatalities and serious injuries** on all public roads

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**Florida Top 20 Counties Pedestrian and Bicycle Injuries and Deaths**

#10 Most dangerous metro area for walking in the United States

*Dangerous by Design 2016*
4. TAKE YOUR TIME and TELL THE STORY

1 in 3 crashes include an older adult in Sarasota and Manatee counties.

13,946 is the annual rolling average of crashes from 2010-2015.

Federal Highway Administration Map 21/ Fast Act
Significant reduction in traffic fatalities and serious injuries on all public roads.

Sarasota/Manatee 2040 Long Range Transportation Plan
Improve the safety and security of the transportation system for all users.

Characteristics of Annual Average Crashes in Sarasota/Manatee (2010-2015)*

<table>
<thead>
<tr>
<th>Type</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>86</td>
<td>87</td>
<td>268</td>
<td>279</td>
<td>328</td>
<td>1,391</td>
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<tr>
<td>Vulnerable</td>
<td>86</td>
<td>87</td>
<td>268</td>
<td>279</td>
<td>328</td>
<td>1,391</td>
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<tr>
<td>Fatal</td>
<td>86</td>
<td>87</td>
<td>268</td>
<td>279</td>
<td>328</td>
<td>1,391</td>
</tr>
<tr>
<td>Serious Injury</td>
<td>86</td>
<td>87</td>
<td>268</td>
<td>279</td>
<td>328</td>
<td>1,391</td>
</tr>
<tr>
<td>Pedestrian</td>
<td>86</td>
<td>87</td>
<td>268</td>
<td>279</td>
<td>328</td>
<td>1,391</td>
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<tr>
<td>Bike</td>
<td>86</td>
<td>87</td>
<td>268</td>
<td>279</td>
<td>328</td>
<td>1,391</td>
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<tr>
<td>Motorcycle</td>
<td>86</td>
<td>87</td>
<td>268</td>
<td>279</td>
<td>328</td>
<td>1,391</td>
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<td>328</td>
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<td>Impaired</td>
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<td>87</td>
<td>268</td>
<td>279</td>
<td>328</td>
<td>1,391</td>
</tr>
</tbody>
</table>

On average, 20 people die every year in Sarasota and Manatee counties in bicycle and pedestrian crashes.

According to Dangerous by Design: Top 10 Most Dangerous Metro Areas for Walking in the United States
1. Cape Coral-Fort Myers, FL
2. Palm Bay-Melbourne-Titusville, FL
3. Orlando-Kissimmee-Sanford, FL
4. Jacksonville, FL
5. Deltona-Daytona Beach-Ormond Beach, FL
6. Lakeland-Winter Haven, FL
7. Tampa-St. Petersburg-Clearwater, FL
8. Jackson, MS
9. Memphis, TN-MNS-AR
10. North Port-Sarasota-Bradenton, FL

Map Links:
- Sarasota Evacuation Route
- Manatee Evacuation Route
- SMMPD Bike/Ped Crash Distribution
- SMMPD Fatal/Injuries Distribution
4. Take your **TIME** and tell the story

**SAFETY TARGETS:**

- ✓ Number of fatalities
- ✓ Rate of fatalities
- ✗ Number of serious injuries
- ✓ Rate of serious injuries
- ✗ Number of non-motorized fatalities and non-motorized serious injuries

**Safety Audits**

$116,000 for Planning
Performance Measures

TIMELINE

- **February 27, 2018**
  - Safety, Security Performance Measure Targets

- **November 16, 2018**
  - Infrastructure, Freight, Mobility, Congestion, Reliability Performance Measure Targets
5. Be the broken record. Be the broken record.

MAP-21 (2012)
Moving Ahead for Progress in the 21st Century Act

FAST Act (2015)
Fixing America’s Surface Transportation Act

Invest resources in projects to achieve individual targets that collectively will make progress toward national goals.
Invest resources in projects to achieve individual targets that collectively will make progress toward national goals.
6. **Borrow from the Best**

2015 AMPO Annual Conference

**Performance-Based Planning**

**Weighting Performance Measures as a Method to Refine Project Evaluation**

October 21, 2015

Chattanooga-Hamilton County/N. GA Transportation Planning Organization
Making the MOST of MAP-21

6. BORROW FROM THE BEST

Navigating MAP-21
The Route to Federal Funding for Your Community

MAP-21
Moving Ahead for Progress in the 21st Century

Navigating MAP-21
The Route to Federal Funding for Your Community

MAP-21
MOVING AHEAD FOR PROGRESS IN THE 21st CENTURY
7. **DIG FOR DATA**

- Readily available
- Easily understood
- Generally accepted
- Consistent across jurisdictions
- Supplemental to required datasets

2015 National Bridge Inventory

Sarasota/Manatee MPO
2015 National Bridge Inventory
Sarasota County 294 Bridges
Manatee County 199 Bridges
8. SEEK OUT NEW STAKEHOLDERS

Please join the
Sarasota/Manatee Metropolitan Planning Organization
To begin identifying transportation priorities and performance measures to support Freight, Economic Development, and Tourism

PRESENTATIONS
Florida Department of Transportation
Florida Trucking Association
Port Manatee

PANEL DISCUSSIONS
Economic Development
Agriculture
Industry
Tourism

For more information: 941-359-5772 or mpo@mympo.org

Save the Date: Monday, October 24
12:30 to 3:00 pm
FREIGHT AND ECONOMIC DEVELOPMENT SUMMIT
at Port Manatee Intermodal Center
1905 Intermodal Circle, Palmetto
9. COMMITTEES ARE KEY

- TECHNICAL ADVISORY COMMITTEE WORKSHOPS
- BOARD SUB-COMMITTEE

For a specific route/trip and time period:

\[
\text{Buffer index (\%)} = \frac{95^{th} \text{ percentile travel time} - \text{average travel time}}{\text{average travel time}} \times 100 \text{ (minutes)}
\]

For a specific route/trip and time period:

\[
\text{Planning time index} = \frac{95^{th} \text{ percentile travel time}}{\text{free - flow travel time}} \text{ (no units)}
\]

For several road sections and time periods:

\[
\text{Average index value} = \frac{\sum_{i=1}^{n} (\text{index value}_i \times UMT_i)}{\sum_{i=1}^{n} UMT_i} \text{ each section and time period}
\]

<table>
<thead>
<tr>
<th>Status: Green</th>
<th>Hours of Congested Travel Per Day</th>
<th>Travel Time Index</th>
<th>Planning Time Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Quarter</td>
<td>48</td>
<td>1.28</td>
<td>1.66</td>
</tr>
<tr>
<td>Same Quarter, Previous Year</td>
<td>52</td>
<td>1.39</td>
<td>1.71</td>
</tr>
<tr>
<td>Change, vs. Previous Year</td>
<td>5.9%</td>
<td>0.8%</td>
<td>1.0%</td>
</tr>
</tbody>
</table>

NATIONAL CONGESTION INDICATORS

<table>
<thead>
<tr>
<th>National Congestion Pattern</th>
<th>Up (50%)</th>
<th>No Change</th>
<th>Down (50%)</th>
<th>Up (50%)</th>
<th>No Change</th>
<th>Down (50%)</th>
<th>Up (50%)</th>
<th>No Change</th>
<th>Down (50%)</th>
<th>Up (50%)</th>
<th>No Change</th>
<th>Down (50%)</th>
<th>Up (50%)</th>
<th>No Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Gilead</td>
<td>0</td>
<td>4</td>
<td>6</td>
<td>2</td>
<td>17</td>
<td>0</td>
<td>4</td>
<td>13</td>
<td>2</td>
<td></td>
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</tr>
</tbody>
</table>
10. EXPERTS ARE ALWAYS FROM OUT OF TOWN

Transportation Performance Management Process

1. National Goals
2. Measures
3. Targets
4. Plans
5. Reports
6. Accountability and Transparency