

A graphic featuring two black silhouettes of people riding bicycles on a stylized, colorful path that curves across the frame. The background is a light gray map with yellow and green areas. The text 'NAVIGATING MAP-21' is prominently displayed in large, bold, black letters on the right side of the graphic.

NAVIGATING MAP-21

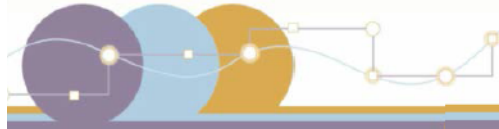
**The Route to Federal
Funding for Your
Community**

Sarasota/Manatee MPO

AMPO Conference, October 2017

Dave Hutchinson, Executive Director

1. IT'S THE LAW SO WE HAVE TO



Transportation Performance Management



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

Federal Highway MAP 21/FAST Act PERFORMANCE MEASURES	  2040 LRTP GOALS	Sarasota/Manatee MPO Performance Measures Implementation
		PROJECT PRIORITIZATION: Does the proposed project...
Safety— Significant reduction in traffic fatalities and serious injuries on all public roads.	Safety/Security Improve the safety and security of the transportation system for all users	<ul style="list-style-type: none"> • Address an identified motorized or non-motorized high crash location? • Improve safety for vulnerable users? • Improve traffic flow on an evacuation route?
Infrastructure condition— Maintain highway infrastructure in a state of good repair.	Infrastructure condition Improve management, operations, and coordination to promote an efficient transportation system locally and regionally	<ul style="list-style-type: none"> • Address aging or deteriorating infrastructure on roads and/or bridges? (as rated by FDOT) • Address flooding or stormwater issues in flood hazard areas or storm surge zones?
Congestion reduction— Significant reduction in congestion.	Mobility/Congestion/Reliability Promote economic vitality and viability through regional coordination of intermodal system	<ul style="list-style-type: none"> • Reduce congestion on current or future congested corridors? • Include multi-modal options such as transit, bike lanes, sidewalks, and/or trails? • Improve or expand the Sarasota/Manatee regional roadway network? • Include operational improvements? • Expand the advanced traffic management system? • Address a corridor with low travel time reliability?
System reliability— Improve efficiency of surface transportation system.		
Freight movement and economic vitality— Improve national freight network, strengthen rural communities access to national and international trade markets, support regional economic development.	Economy/Freight Improve accessibility and multimodal connectivity by promoting proximity to jobs and efficient movement of freight and goods	<ul style="list-style-type: none"> • Address a need in a targeted enterprise or economic development zone? • Make improvements to the adopted freight network? • Provide new or improved access to a high freight activity center? • Improve a route with high truck volume? • Improve a route to a major tourist destination?
Environmental sustainability— Enhance performance of the system while protecting and enhancing the natural environment.	Environment/Livability Improve environmental sustainability and community livability in coordination with local government comprehensive plans	<ul style="list-style-type: none"> • Stay away from critical habitat, wetlands, and endangered species? • Improve access to transit? • Support multimodal livability? • Offer alternatives for individuals and families balancing affordable housing and transportation costs? • Provide transportation options in low income neighborhoods?
Reduced project delivery delays— 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.	Project delivery Allocate funds to projects that enhance regional mobility ...continuing to support multimodal accessibility and congestion management...	<ul style="list-style-type: none"> • Continue or complete an existing MPO priority project? • Have a local match? • Include a public/private partnership? • Advance a local jurisdiction's top priorities? • Address an identified need in an FDOT or MPO feasibility study? • Support the priorities of the Long Range Transportation Plan?

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

Invest resources in

projects

to achieve
individual

targets

that collectively
will make progress
toward national

goals.

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

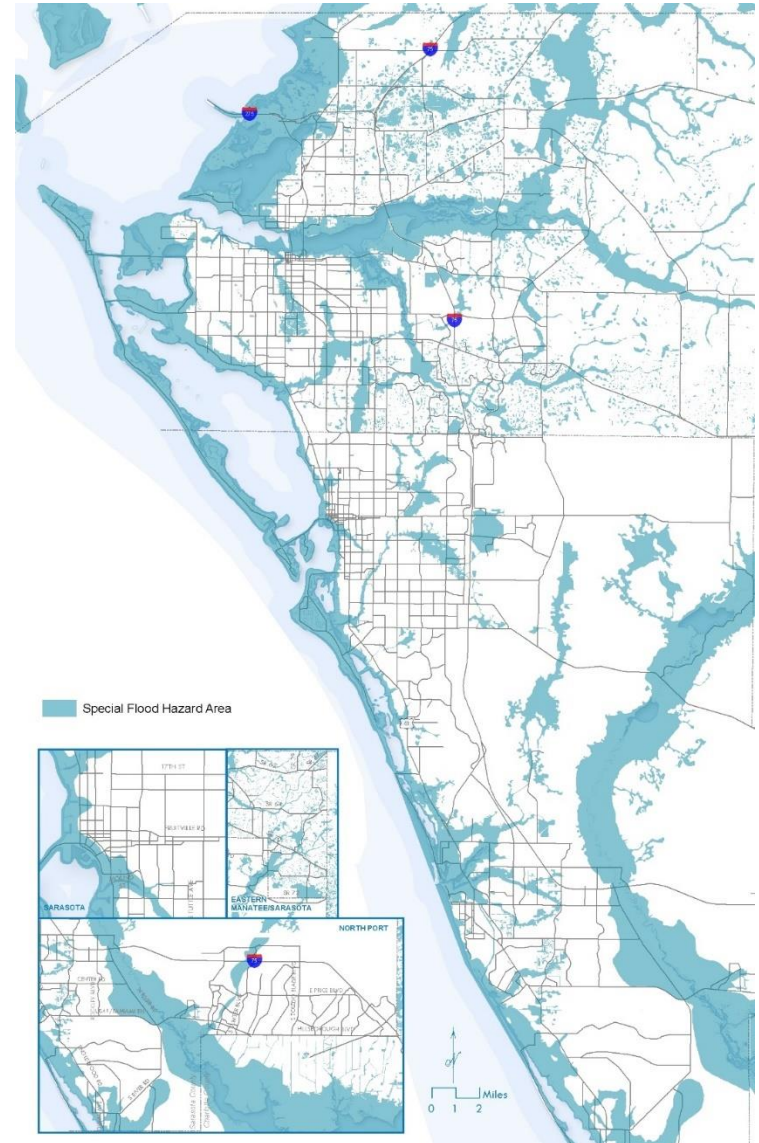
Maintain highway infrastructure in a **state of good repair**

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

FASTAct



Special Flood Hazard Area

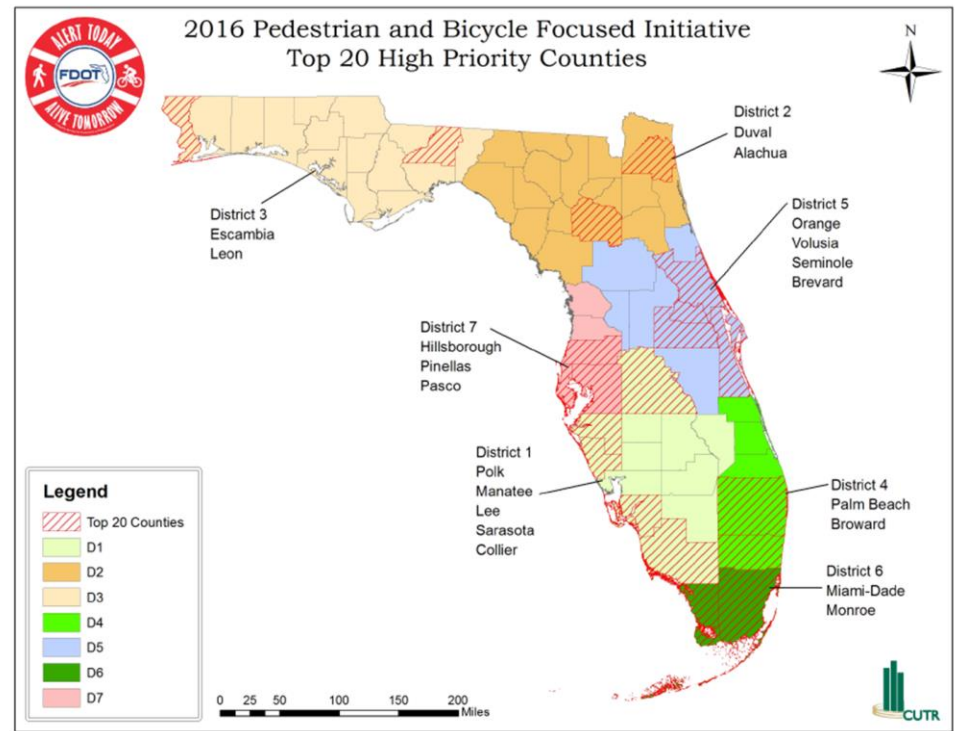


4. TAKE YOUR TIME AND TELL THE STORY

MAP 21 / FAST Act SAFETY AND SECURITY

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

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



Safety

1 in 3

crashes include an older adult in Sarasota and Manatee counties.

Source: FRES/DHSMV GIS databases

Sarasota/Manatee Population by Age



Source: U.S. Census Bureau, 2010-2016 ACS 5-Year Estimates



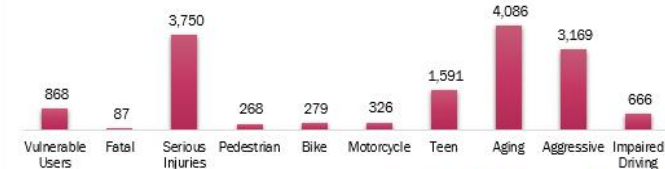
Federal Highway Administration Map 21/ Fast Act

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

Sarasota/Manatee 2040 Long Range Transportation Plan

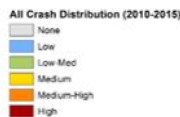
Improve the safety and security of the transportation system for all users.

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



Source: FRES/DHSMV GIS databases
*Crashes may involve more than one characteristic

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



Crash data for years 2010-2015 from FRES/DHSMV databases

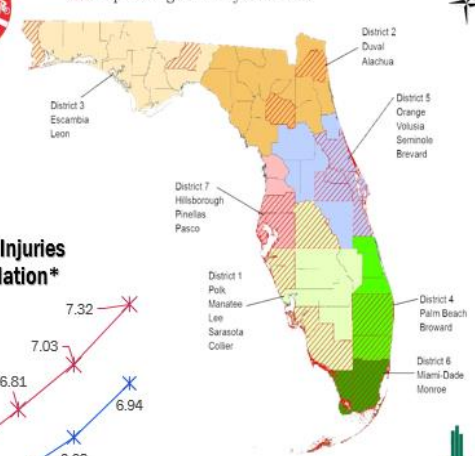
Sarasota/Manatee MPO Top Ranked High Crash Segments 2010-2015



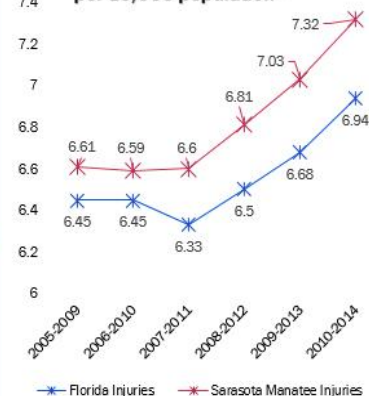
Safety



2016 Pedestrian and Bicycle Focused Initiative
Top 20 High Priority Counties



Rate of Bike/Ped Injuries per 10,000 population*



Source: DHSMV Traffic Crash Facts Annual Reports
*Rate of incidences based on the 2010 population

Sarasota/Manatee is **above** Florida average for non-motorized injuries

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 Bch-Ormond Bch, FL
6. Lakeland-Winter Haven, FL
7. Tampa-St. Petersburg-Clearwater, FL
8. Jackson, MS
9. Memphis, TN-MS-AR
10. North Port-Sarasota-Bradenton, FL

Source: Dangerous by Design 2018

8

Map Links:

[Sarasota Evacuation Route](#)
[Manatee Evacuation Route](#)

[SMMPO Bike/Ped Crash Distribution](#)
[SMMPO Fatal/Incapacitating Crash 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



4. TAKE YOUR TIME AND TELL THE STORY

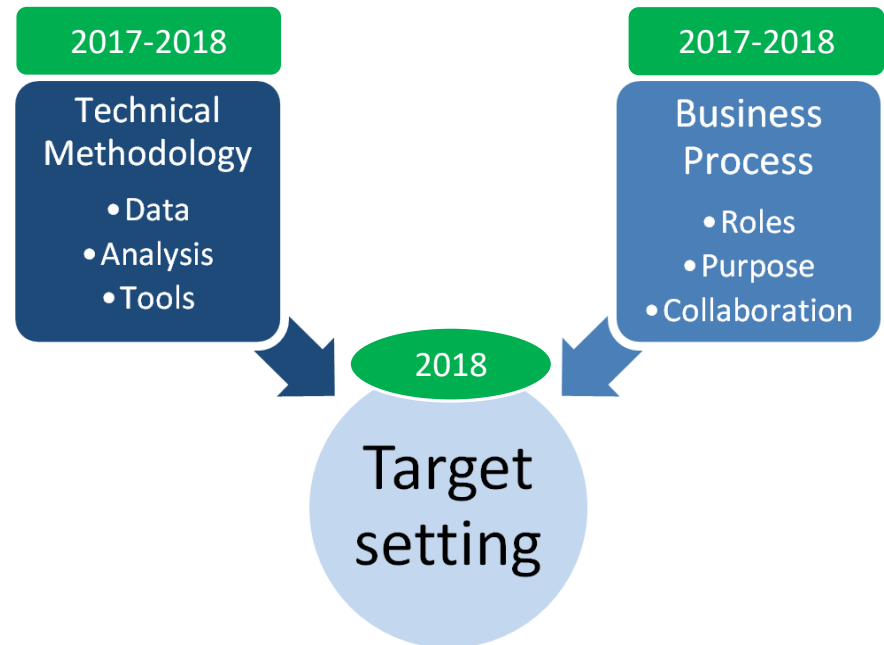
Performance Measures TIMELINE

■ 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.

NAVIGATING
MAP-21
The Route to Federal
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5. BE THE BROKEN RECORD. BE THE BROKEN RECORD.



Invest resources in

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That collectively will make

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6. BORROW FROM THE BEST

2015 AMPO Annual Conference

Performance-Based Planning *Weighting Performance Measures as a Method to Refine Project Evaluation*

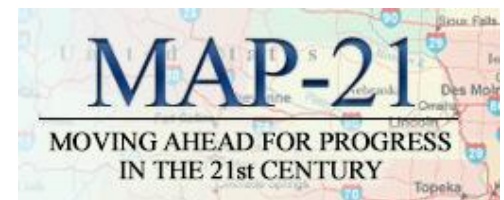
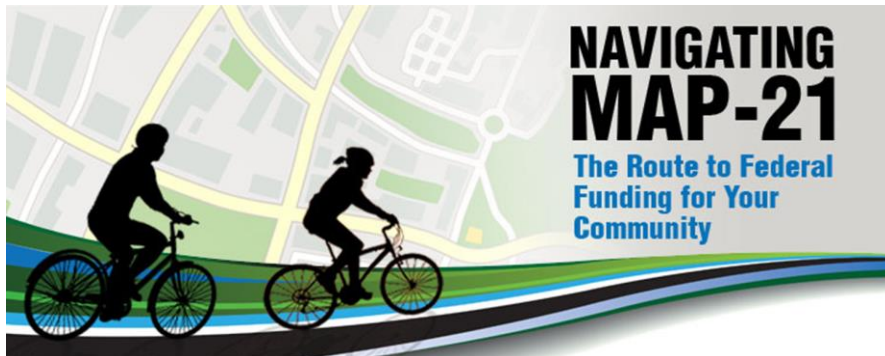
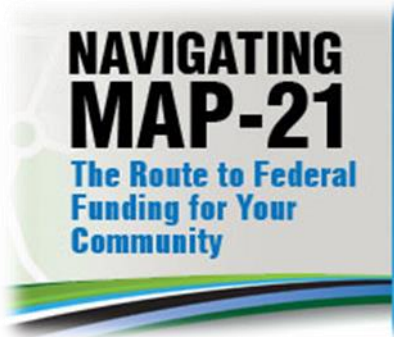
October 21, 2015



Chattanooga-Hamilton County/N. GA Transportation Planning Organization

6. BORROW FROM THE BEST

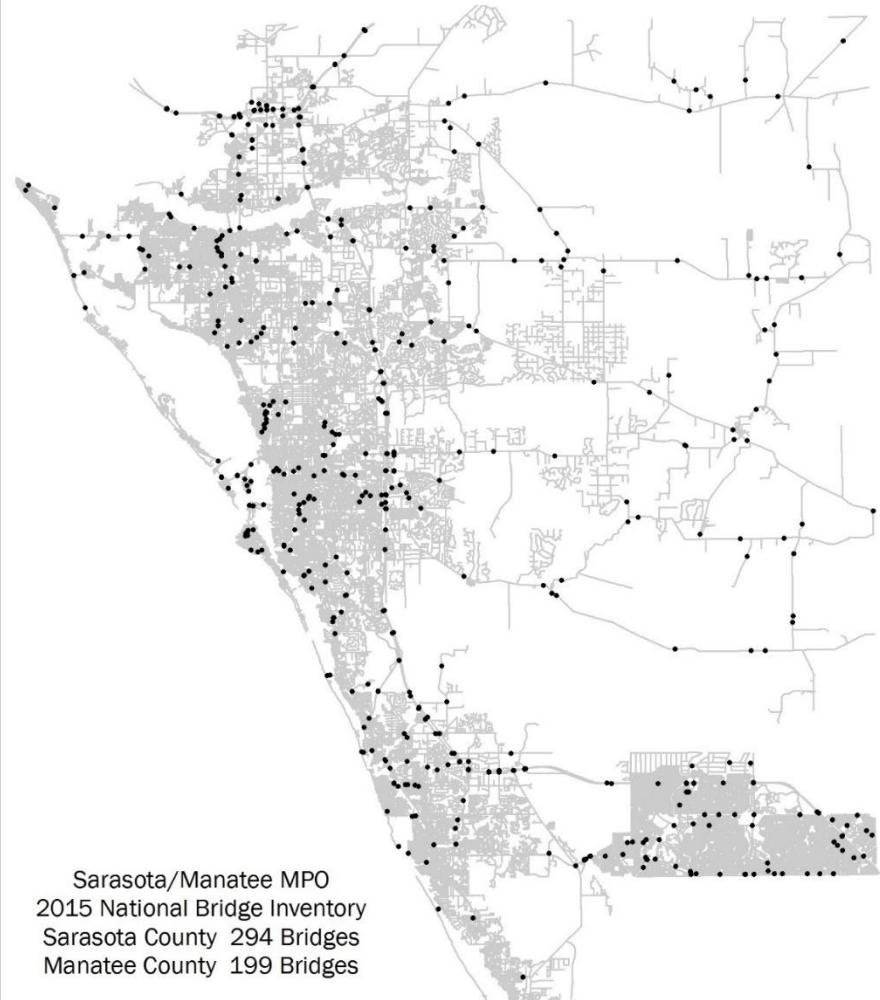
Making the MOST of MAP-21



7. DIG FOR DATA

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

2015 National Bridge Inventory



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

FAST Act

Fixing America's Surface Transportation

Freight Movement



Access to Jobs



Support the Economy

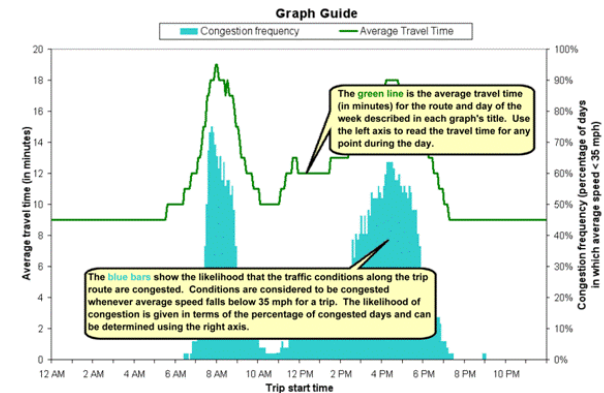


Tourism Transportation



9. COMMITTEES ARE KEY

- TECHNICAL ADVISORY COMMITTEE WORKSHOPS
- BOARD SUB-COMMITTEE



For a specific route/trip and time period :

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

For a specific route/trip and time period :

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

For several road sections and time periods :

$$\text{Average index value} = \frac{\sum_{i=1}^n (\text{index value}_i \times \text{VMT}_i)}{\sum_{i=1}^n \text{VMT}_i}$$

each section and time period

Status: Green	NATIONAL CONGESTION INDICATORS								
Progress: Green	Hours of Congested Travel Per Day			Travel Time Index			Planning Time Index		
Current Quarter	4.8			1.28			1.69		
Same Quarter, Previous Year	5.2			1.29			1.71		
Change, vs. Previous Year	6.9% ↓			0.8% ↓			1.0% ↓		
NATIONAL CONGESTION PATTERN	# of Cities DOWN ≥5%	# of Cities, NO CHANGE	# of Cities UP ≥5%	# of Cities DOWN ≥5%	# of Cities, NO CHANGE	# of Cities UP ≥5%	# of Cities DOWN ≥5%	# of Cities, NO CHANGE	# of Cities UP ≥5%
Total Cities:19	9	4	6	2	17	0	4	13	2

10. EXPERTS ARE ALWAYS FROM OUT OF TOWN

Transportation Performance Management Process





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Sarasota / Manatee MPO

www.mymmpo.org