



Federal Performance Measures

Bridge | Pavement | System Performance

October 2018 | TPA Board

www.PalmBeachTPA.org

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Performance-Based Planning

Use system information to make investment and policy decisions to achieve national performance goals

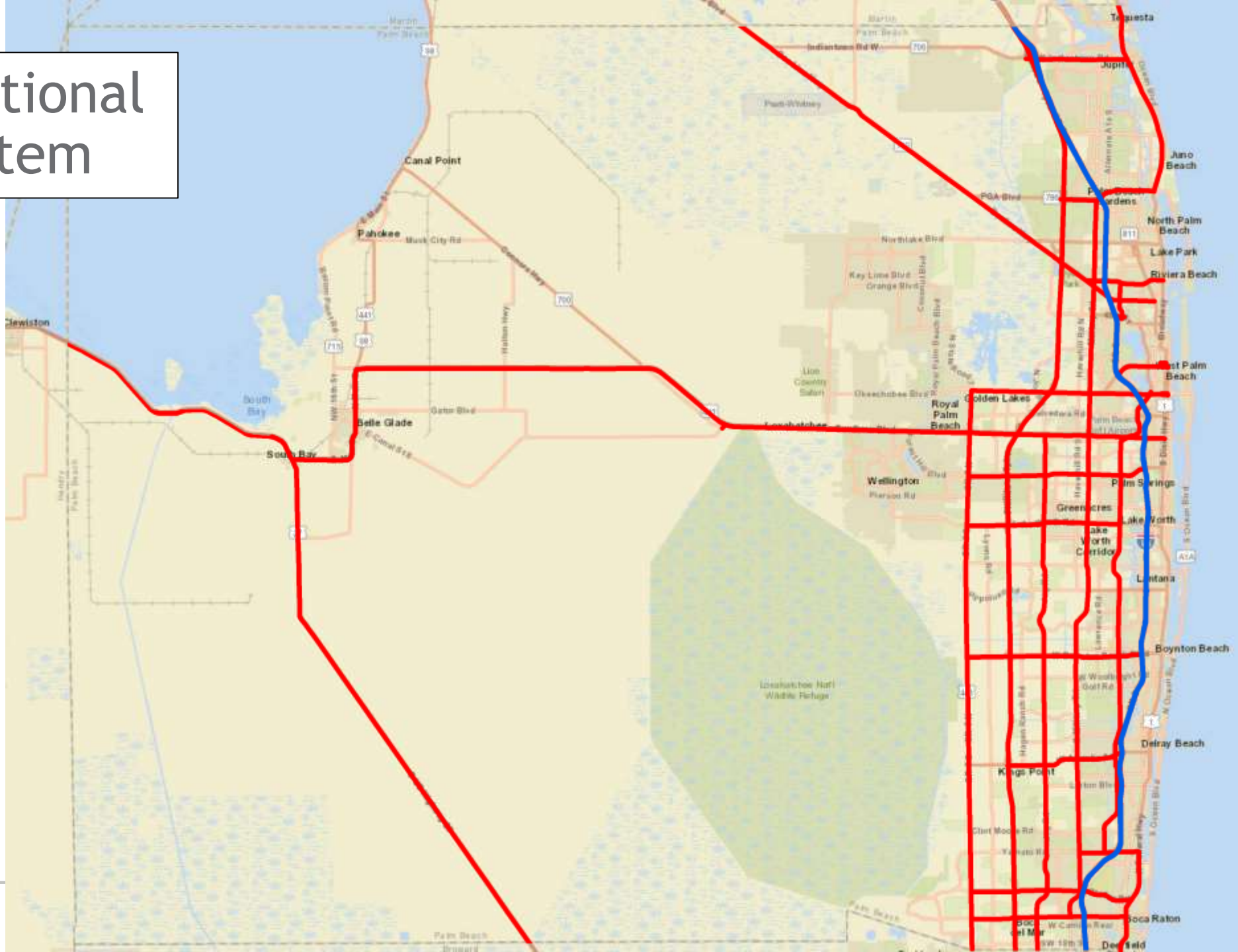
Moving Ahead for Progress in the 21st Century (MAP-21) requires state DOTs and MPOs to:

1. Monitor required performance measures
2. Establish targets
3. Report progress

Focused on National Highway System

Interstate

Non-Interstate NHS



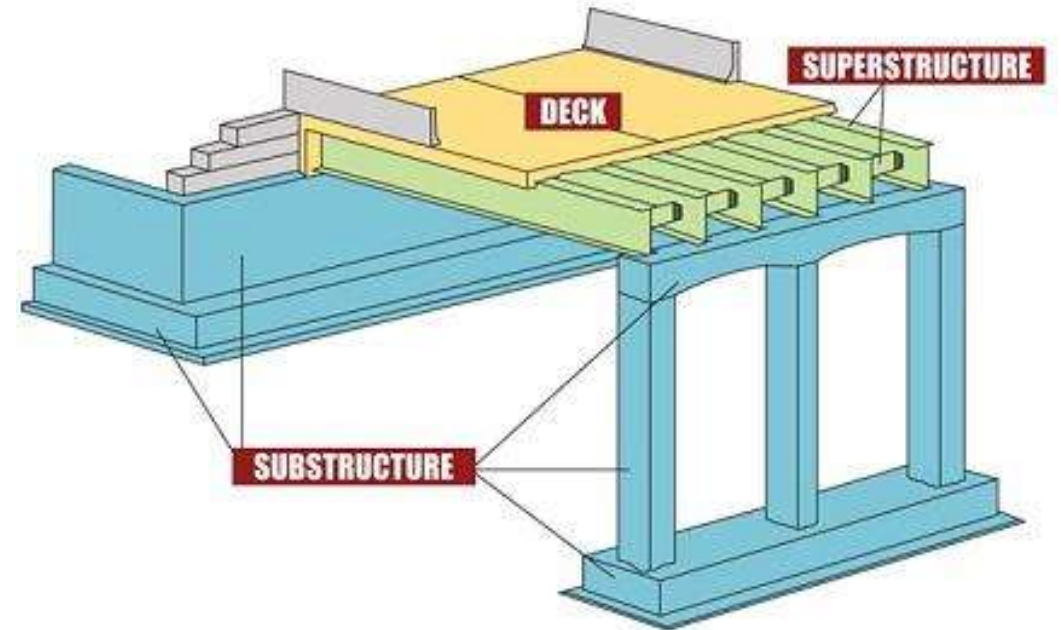
Performance Measures		TPA Targets
Safety	Fatalities Serious Injuries Rate of Serious Injuries per 100M VMT Rate of Fatalities per 100M VMT Non-motorized Fatalities and Serious Injuries	Zero for 2018 Zero for 2018 Zero for 2018 Zero for 2018 Zero for 2018
▶ Bridges	Percent of NHS bridges by deck area in good condition Percent of NHS bridges by deck area in poor condition	Action Item Requires 2/4-year target
▶ Pavement	Percent of Interstate pavements in good condition Percent of Interstate pavements in poor condition Percent of non-Interstate NHS pavements in good condition Percent of non-Interstate NHS pavements in poor condition	Action Item Requires 2/4-year target
▶ System Performance	Percent of reliable person-miles on the Interstate Percent of reliable person-miles on the non-Interstate NHS Interstate Truck Travel Time Reliability index	Action Item Requires 2/4-year target

The background features a series of overlapping, angular shapes in two shades of green. On the left, a dark green shape forms a large, stylized arrow pointing towards the right. This arrow is composed of several parallel, slightly offset lines that create a sense of depth and movement. The right side of the image is a solid, medium-green color, providing a high-contrast background for the white text.

Bridge & Pavement Condition

Bridge Condition

0-10 ratings given for Substructure, Superstructure, and Deck



✓ State target currently met

Performance Measures	Florida (2017)	Palm Beach (2017)	Florida 2-Year Target (2019)	Florida 4-Year Target (2021)	Palm Beach 2 & 4-Year Targets
Percent of NHS bridges by deck area in good condition	✓ 72%	✓ 88.7%	50%	≥50%	Action Item
Percent of NHS bridges by deck area in poor condition	✓ 1%	✓ 1.06%	10%	≤10%	Action Item

Pavement Condition

✓ State target currently met

Good, Fair, or Poor for: International Roughness Index, Cracking, Rutting, Faulting, Present Serviceability Rating

Performance Measures	Florida (2017)	Palm Beach (2017)	Florida 2-Year Target (2019)	Florida 4-Year Target (2021)	Palm Beach 2 & 4-Year Targets
Percent of Interstate pavements in good condition	✓ 66%	55.2%	Not required	≥60%	Action Item
Percent of Interstate pavements in poor condition	✓ 0.1%	✓ 0.0%	Not required	≤5%	Action Item
Percent of non-Interstate NHS pavements in good condition	✓ 45%	✓ 40.3%	40%	≥40%	Action Item
Percent of non-Interstate NHS pavements in poor condition	✓ 0.4%	✓ 0.5%	5%	≤5%	Action Item

NHS Pavement Condition by MPO

MPO Name	% of Interstate NHS		% Non-Interstate NHS	
	Good	Poor	Good	Poor
BROWARD MPO	76.6%	0.0%	38.4%	0.4%
HILLSBOROUGH MPO	50.9%	0.0%	42.0%	0.2%
METROPLAN ORLANDO	48.3%	0.0%	47.3%	0.5%
MIAMI-DADE TPO	68.6%	0.0%	45.7%	0.6%
PALM BEACH TPA	55.2%	0.0%	40.3%	0.5%
FLORIDA	66%	0.1%	45.0%	0.4%
TARGET	≥60%	≤5%	≥40%	≤5%



System Performance

System Performance- Targets

✓ State target currently met

Performance Measures	Florida (2017)	Palm Beach (2017)	Florida 2-Year Target (2019)	Florida 4-Year Target (2021)	Palm Beach 2 & 4-Year Targets
Percent of reliable person-miles on the Interstate	✓ 82%	✓ 84%	75%	>70%	Action Item
Percent of reliable person-miles on the non-Interstate NHS	✓ 84%	✓ 89%	Not required	>50%	Action Item
Interstate Truck travel time reliability	✓ 1.43	✓ 1.72	1.75	<2.00	Action Item

2017 System Performance by MPO

MPO	Interstate NHS Reliability	Non-Interstate NHS Reliability	Truck Interstate NHS Travel Time Reliability Index
BROWARD MPO	67%	80%	1.81
HILLSBOROUGH MPO	74%	79%	1.92
METROPLAN ORLANDO	52%	84%	2.62
MIAMI-DADE TPO	57%	59%	2.98
PALM BEACH TPA	84%	89%	1.72
FLORIDA	82%	84%	1.43

The left side of the slide features a series of overlapping, semi-transparent blue geometric shapes that resemble stylized arrows or chevrons pointing towards the right. These shapes are arranged in a vertical stack, with each shape slightly offset from the one above and below it, creating a sense of depth and movement.

Final Target Setting

Staff recommends adoption of FDOT Targets

Bridge & Pavement

- FDOT develops and manages the Asset Management Plan
- FDOT programs maintenance funds

System Performance

- We don't have enough data to support a different target
- State already programs SIS funds to improve reliability

What if we set our own targets?

- May need to shift our funding (Major, LI, TA) to support targets

Bridge & Pavement Targets

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