

# MPOAC Noteworthy Practices Working Group

# 2019

## State of the System for Space Coast TPO

### General Information

#### Who

Laura Carter, Assistant Director  
Space Coast TPO  
[Laura.carter@brevardfl.gov](mailto:Laura.carter@brevardfl.gov)  
321-690-6890

#### What

The Space Coast TPO's State of the System Report (SOS) is a key component of the TPO's Congestion Management System, which provides a framework for prioritizing transportation investments based on a technical approach. The SOS takes approximately 4-6 months to prepare utilizing readily available data sources. The SOS monitors system performance along key corridors using six metrics: congestion; hurricane evacuation route monitoring; ITS infrastructure; transit ridership; pedestrian and bicycle facilities; and safety.

#### When

Started in 1994, the State of the System Report is prepared annually based on prior year data with the final report published each fall.

#### Where

Brevard County, FL  
Network analyzed includes the Florida Strategic Intermodal System (SIS), all State maintained arterials, major County arterials, and some local arterials and collectors.

#### How

Consultant services are utilized to compile and analyze data. Data collection is conducted annually by the TPO for traffic volumes and modal agencies provide their information. Certain demographic data such as population and vehicle registrations are also compiled.

## Highlights

The SOS report provides a technical approach to analyze system performance to use for prioritizing and justifying the needs for prioritized projects. It bridges the gap between the LRTP and project priority process by ranking corridors based on the goals and performance measures contained in the LRTP. Trends can be tracked and effectiveness of implemented projects can be evaluated.

## Takeaways/What others can learn

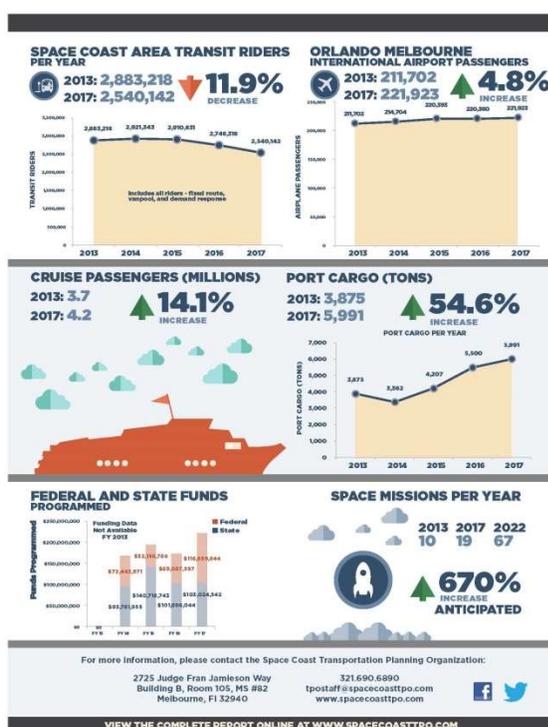
- An annual technical analysis, such as the State of the System Report, provides another tool that is solely based on technical data that any TPO/MPO can use to support submitting projects for funding.
- The SOS bridges the projects between the LRTP and the TIP through the project priority process. This analysis can be easily implemented and customized to any area that has readily available existing data, especially traffic counts.
- How does the SOS evolve over time? Each year, the SOS report is reviewed and areas for improvement are identified. What to present and how it is presented is revised each year. How the data is sorted and analyzed may at times be updated. The implementation of performance measures and compiling 500+ segments into corridors in 2016 was a significant change. This was done to provide performance trends based on realistic lengths of roadways so when projects are submitted, the backup data is consistent. Criteria have also evolved over time to accommodate changes in guidelines and how projects are funded. The categories are now aligned to take advantage of different pots of money such as safety, transportation alternatives, transit, etc.
- Critical to the analysis is the availability of traffic volumes. The TPO is responsible for collecting and validating count data used in the analysis. Consultants then, take the data and perform various analyzes. Consultants are also responsible for coordinating with all modal agencies on obtaining data and summarizing. A sound relationship is necessary between the TPO staff and consultant so improvements and adjustments can be made as necessary.
- To be effective and consistent, the analysis should be integrated into annual activities and included in a TPO's UPWP. Consultant service expenses for the Space Coast TPO SOS are approximately \$63,000 annually. The SOS report is funded utilizing TPO SU funds and is considered a part of the TPO's monitoring program, which supports required performance measures.

# Images

To obtain the full 2017 SOS Report, summary flyers or the presentation given to TPO Board and its committees, please visit and download at:

<http://spacecoasttpo.com/performance-and-data/state-of-the-system-report/>

A presentation for the MPOAC Noteworthy Practices Working Group will be prepared to provide information focusing on what the SOS is, how it is developed and what it is used for. Below are snapshots of the summary flyers produced that provide the trends occurring throughout the County. One provides general mode trends while the other focuses on safety.



# Safety Summary Flyer

