

## WHAT IS TRANSPORTATION SYSTEMS MANAGEMENT & OPERATIONS (TSM&O)?

**Transportation Systems Management & Operations is a program that focuses on implementing active, multi-modal traffic management projects to optimize the performance of our roadway systems and promote safety.**

Rising traffic demand impacts highway mobility goals. Building traditional road widening projects is no longer a viable solution to meet demand due to increasing project costs and lack of right-of-way space. As a result, it has become critical to implement low-cost, performance-based strategies to existing roadways to help maximize their people-moving capacity for current and future mobility goals.

TSM&O promotes a collaborative environment for FDOT to work with partner agencies as a cohesive entity to deliver the multi-modal transportation solutions that benefit all roadway users. It allows partners to identify congestion-management strategies early in the project's planning, design, construction and operational phases. These strategies can include proven and emerging transportation techniques such as transit, traveler information, freight management, arterial management and others.

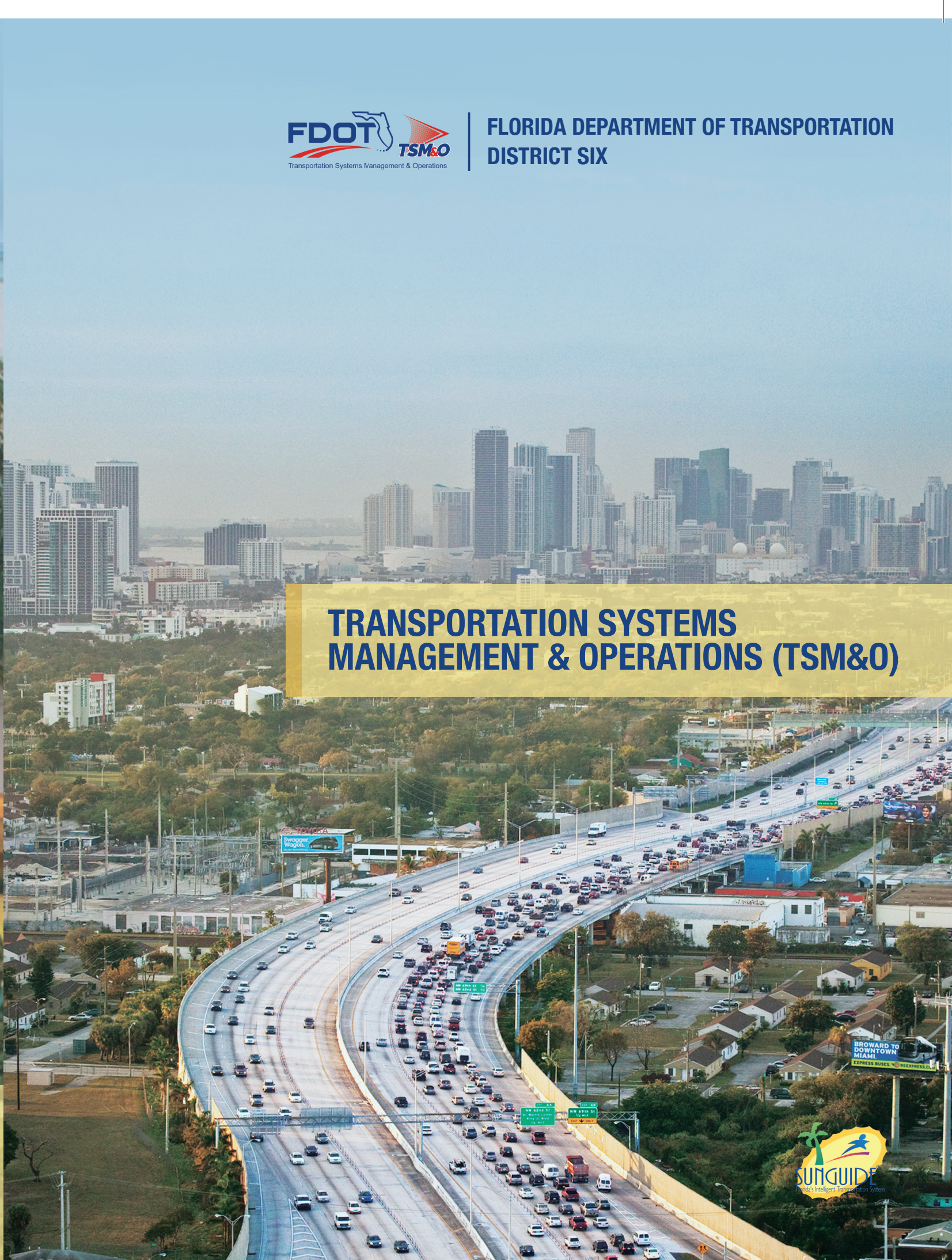
The goal is to equip the roadway with the infrastructure needed to implement these strategies from a multi-agency approach for maximum results and forethought to future operations and maintenance.



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FLORIDA DEPARTMENT OF TRANSPORTATION  
DISTRICT SIX



## TRANSPORTATION SYSTEMS MANAGEMENT & OPERATIONS (TSM&O)







# TRAFFIC MANAGEMENT

District Six manages roadway traffic 24 hours per day, seven days per week in Miami-Dade and Monroe counties.

It uses Intelligent Transportation Systems (ITS) principles and technologies such as roadway detectors and closed circuit television (CCTV) cameras to collect real-time traffic information. Operators housed at the SunGuide® Transportation Management Center (TMC) use this data to monitor roadway conditions and optimize performance.

It enables them to coordinate traffic incident clearance efforts with our emergency response personnel, post up-to-the-minute traffic alerts on our traveler information resources and optimize arterial traffic flow. Together, the combination of these services works to promote the safety and mobility of our regional roadway system to benefit all drivers.

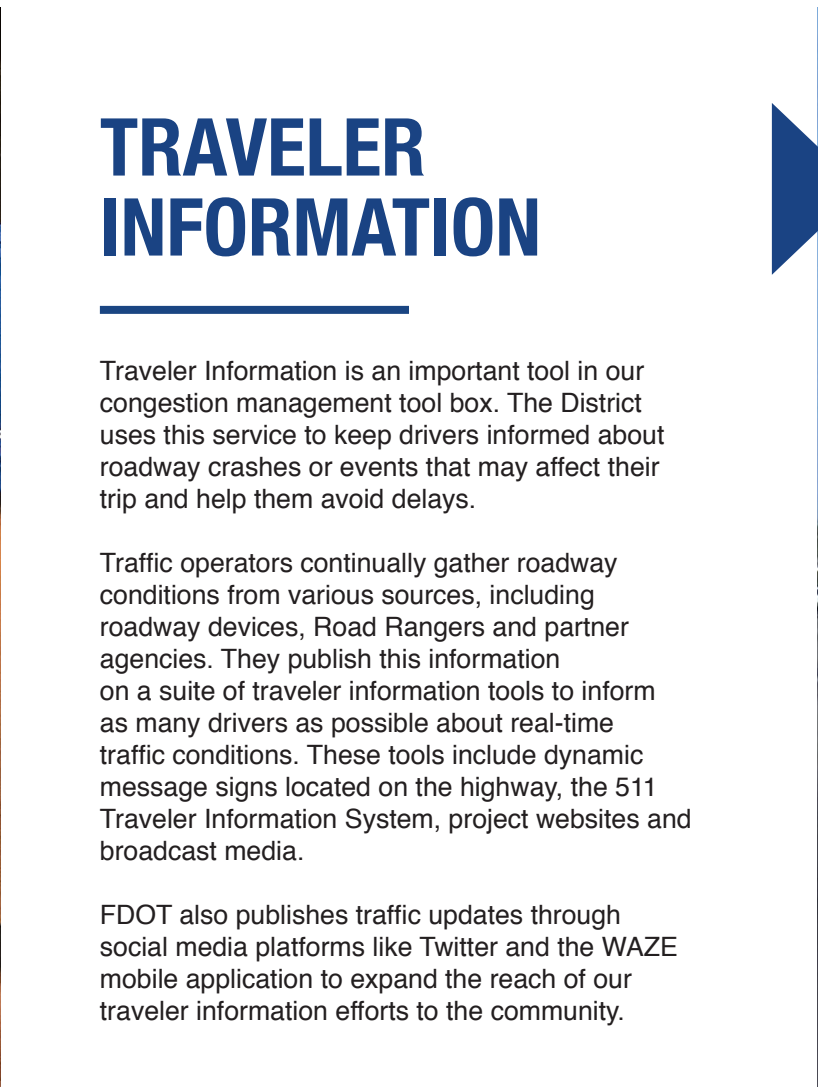


# INCIDENT MANAGEMENT

The District's Incident Management Service works to expedite the clearance of traffic events and crashes from our roadways. It promotes a multi-agency incident response approach to restore roadway capacity back to free-flow conditions and promote safety.

Traffic operators at the TMC use ITS technologies to detect and confirm incidents that impact traffic. They assess the event for severity and dispatch the appropriate resources to clear the event as quickly and as safely as possible. These resources include Road Ranger Service Patrols, Incident Response Vehicles and the Rapid Incident Scene Clearance team who provide motorist assistance, maintenance of traffic and incident response support.

The program also hosts regular partner agency meetings and trainings in support of the Traffic Incident Management (TIM) teams in Miami-Dade and Monroe Counties.



# TRAVELER INFORMATION

Traveler Information is an important tool in our congestion management tool box. The District uses this service to keep drivers informed about roadway crashes or events that may affect their trip and help them avoid delays.

Traffic operators continually gather roadway conditions from various sources, including roadway devices, Road Rangers and partner agencies. They publish this information on a suite of traveler information tools to inform as many drivers as possible about real-time traffic conditions. These tools include dynamic message signs located on the highway, the 511 Traveler Information System, project websites and broadcast media.

FDOT also publishes traffic updates through social media platforms like Twitter and the WAZE mobile application to expand the reach of our traveler information efforts to the community.



# ARTERIAL MANAGEMENT

Arterial roadways are a crucial link to our regional highway system. District Six actively manages selected roads to improve traffic flow and build a sound transportation network that benefits all drivers.

FDOT works with local municipalities and partner agencies to target arterial congestion in a comprehensive and multi-pronged approach. The goal is to implement collaborative measures that optimize the people-moving capacity of these roadways by adding advanced technologies, services and techniques to the existing infrastructure.

These measures include enhancing roadway intersections by adding adaptive traffic signal control systems, actively managing work zones and providing rapid incident scene clearance services.

