



Transportation Systems Management and Operations

Beyond building and maintaining roadways, transportation agencies need to be strategic in how they get the most performance out of those roadways. Transportation Systems Management and Operations (TSM&O) is the engineering discipline that focuses on ways to reduce congestion and improve safety without building more roads.

The Florida Department of Transportation (FDOT) has deployed a number of TSM&O strategies to help Florida residents, visitors, and commercial vehicle operators experience better mobility and improved safety. These strategies are interconnected, with newer approaches based on the successes of older ones.



Benefits of TSM&O to Commuters and Communities

- ▶ Smoother, more reliable traffic flow
- ▶ Reduced congestion
- ▶ Improved safety
- ▶ Better quality of life
- ▶ Less wasted fuel
- ▶ Increased economic vitality
- ▶ More efficient use of resources

For roadside assistance,
call *FHP (*347) from your
mobile phone.

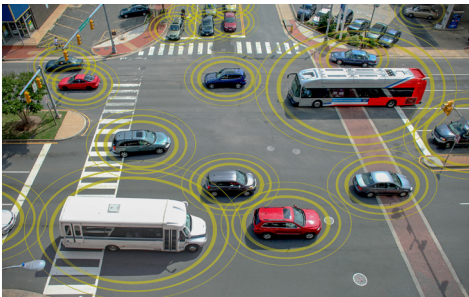
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TSM&O Strategies



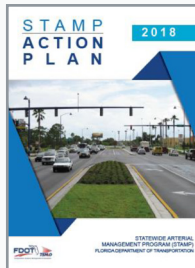
Intelligent Transportation Systems (ITS) — FDOT uses real-time information about traffic and roadway conditions to improve the safety and mobility of people, goods, and services. One of the most visible ITS programs is the state’s 511 Traveler Information System, and the advanced technology and communication network that powers it.



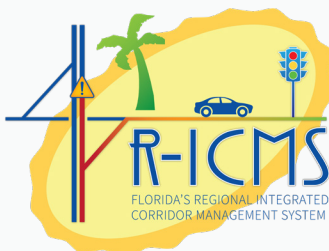
Connected Vehicles — FDOT is deploying leading-edge technology to quickly identify roadway hazards and alert drivers. This builds upon the existing ITS program, which can identify the issues, and adds new technology that can communicate that information directly to vehicles to alert other drivers and first responders.



Managed Lanes — FDOT is building and operating managed lanes (sometimes called express lanes) in some of the most congested parts of the state. These lanes provide drivers with the option to pay a toll to avoid congestion, which also helps improve traffic flow in the general-use (non-tolled) lanes.



Statewide Arterial Management Program (STAMP) — Arterial roadways are state highways that are not freeways (like interstates) or toll roads. These roads present different challenges than freeways, like intersections, traffic signals, and the presence of pedestrians, bicyclists, and transit. FDOT’s STAMP looks at ways to improve traffic flow and safety on arterial roadways (especially for bicyclists and pedestrians) in partnership with cities and counties.



Regional Integrated Corridor Management System (R-ICMS) — FDOT combines freeway management and arterial management to improve mobility and safety for the entire state roadway system. R-ICMS includes ways to improve traffic on arterials when an incident or construction on a freeway causes more congestion on those roadways.

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