



*Transportation Planning
for the Palm Beaches*



Transportation Systems Management & Operations

FDOT Statewide Strategic Plan & District 4 Master Plan

www.PalmBeachMPO.org

2300 North Jog Road • 4th Floor • West Palm Beach • FL 33411 • 561-684-4170



WHY TSM&O?

Transportation Systems Management and Operations (TSM&O)

Practice involves “taking back” capacity lost to:

- Congestion
- Incidents
- Traffic control delay
- Construction
- Weather

Examples of TSM&O:

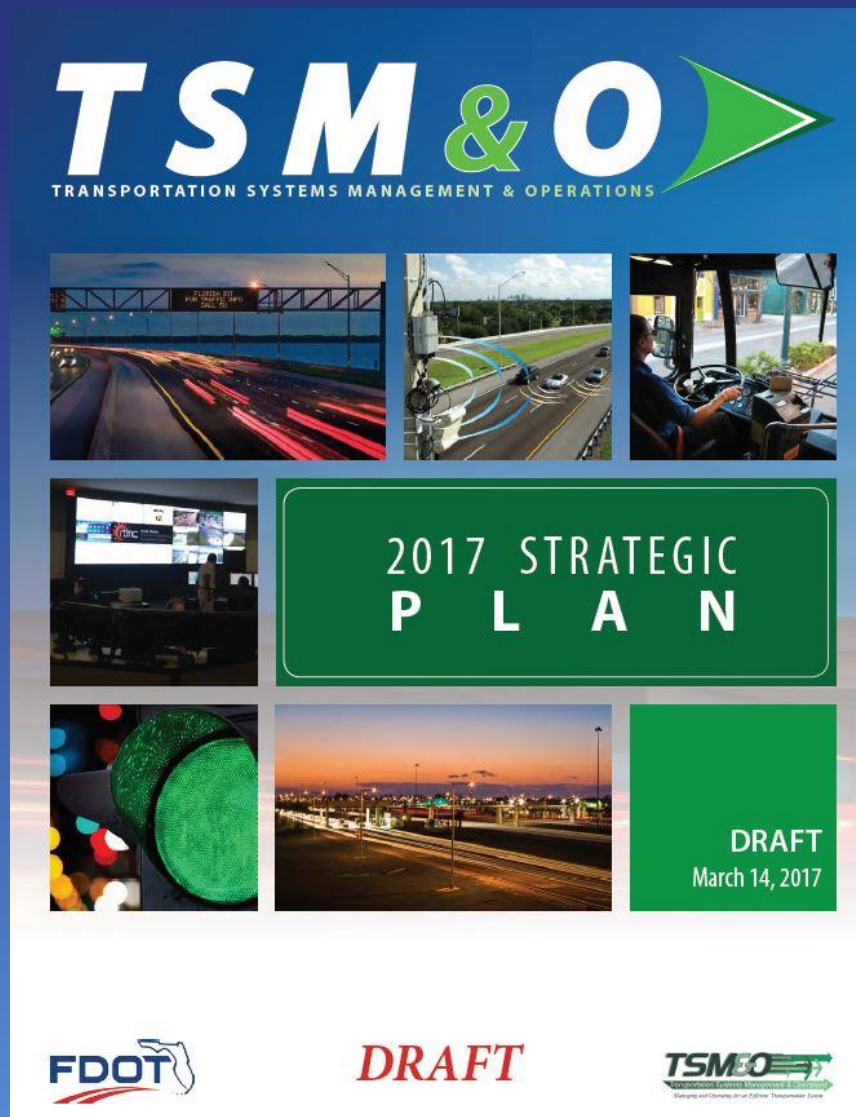
- Traffic condition monitoring
- Active traffic signal management
- Transit signal priority
- Managed lanes



FDOT Statewide TSM&O Strategic Plan

Mission: Identify, prioritize, develop, implement, operate, maintain, and update TSM&O strategies and measure their effectiveness for improved safety and mobility

- 3 – 5 year time horizon
- Mobility issues can't be fully addressed without TSM&O
- Move TSM&O towards an optimized mainstreamed program delivering system-wide safety and mobility benefits





FDOT Statewide TSM&O Strategic Plan

Strategic Plan supported by the Smart Action Plan

High level document

Not project specific

The Action Plan will move FDOT closer to a fully mainstreamed outcome-based TSM&O program

NEXT STEPS AND ACTION PLANS											
SMART Action Plans			FY 16/17		FY 17/18		FY 18/19		FY 19/20		
			Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar
Funding	1.1	10-Year TSM&O Cost Feasible Plan for Implementation, Operations and Replacement.									
	1.2	Five-Year Workload Formulas for Maintenance Funding.									
	1.3	Work Program Instruction Reviews and Updates.									
Performance Assessment	2.1	Districts Define and Validate Mobility and Safety Data Sources for Freeways & Arterials.									
	2.1.1	Develop TSM&O Performance Assessment Guides/Templates.									
	2.1.2	Develop Data Analysis Tool Training and Support Structure.									
	2.2	Legacy and New TSM&O Impact Assessments for Freeway and Arterial TSM&O Strategies.									
	2.3	Initiate, Maintain, and Post Log of Florida TSM&O Impacts for Freeways and Arterials.									
	2.4	Districts Conduct Performance Assessments for Mobility, Safety, and Uptime Availability.									
	2.5	Districts Selected Performance Metrics, Targets, and PEG for Freeways and Arterials.									
	2.6	Districts Begin Assessing Outcomes Relative to Targets for Freeways and Arterials.									
Outreach	3.1	Annual Capability Maturity Model Self-Assessment Regional Workshops.									
	3.2	Regional Connected Vehicle Workshops.									
Mainstreaming	4.1	Invite functional Area Managers to TSM&O Task Team and Annual Meetings.									
	4.2	TSM&O Participation in Statewide and Regional Functional Area Meetings.									
	4.3	Identify Guides, Manuals, Standards, Specifications to Update with TSM&O Content.									
	4.4	Prioritize and Initiate Updates.									
	4.5	Complete and Repeat Updates as needed.									
	4.6	Work with Planning to Incorporate TSM&O In Capacity Project Planning.									
	4.7	Work with PD&E to Incorporate TSM&O In Capacity Projects Development.									
	4.8	Work with MPO/TPO Liaisons to Include TSM&O In Regional Transportation Plans.									
STEP	5.1	STEP ITS CEI Training Development.									
	5.2	STEP ITS Design Training Development.									
	5.3	STEP Sustainable Training Delivery & Management.									
	5.3	STEP TSM&O Guide Development.									
District Staffing	6.1	District TSM&O Staffing Assessments.									
	6.2	District TSM&O Staffing Updates.									
Strategic Plan Update	7.1	Manage and Monitor TSM&O Action Plans.									
	7.2	Strategic Plan Update.									

See subject-area plans and schedules for more details:

Districts & TSM&O Division

Districts

TSM&O Division & Task Team

Outside Organization



TSM&O FDOT District 4 Master Plan

Includes Palm Beach & Broward Counties

Purpose: Identify corridors and strategies to promote inclusion of TSM&O consideration in development

Timeframes:

Short-Term (2017-2025)

Mid-Term (2026-2035)

Long-Term (2036-2045)

MPO Role: Critical in identify and prioritizing TSM&O projects based on regional needs





TSM&O District 4 Master Plan: Goals

Address mobility – where capacity improvements are not possible

Create a TSM&O network

- Identify needs and strategies
- Prioritize improvements

Encourage locally driven projects

Manage and leverage existing network and ITS infrastructure

Serve as resource for (SEFTC) 2045 RTP





TSM&O District 4 Master Plan

Next Steps:

Finalize Master Plan including corridors

Add TSM&O considerations into every project

Identify funding for construction operations and maintenance of projects