

Regional Transportation Systems Management and Operations (TSMO) Program



What is Transportation Systems Management and Operations (TSMO)?

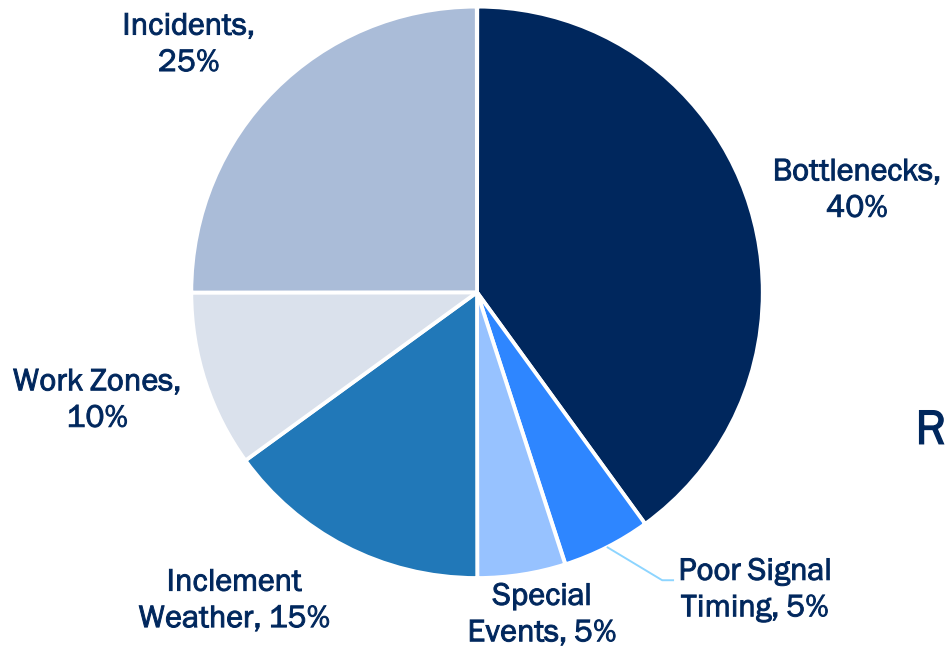


An integrated set of strategies to optimize the performance of existing infrastructure through the implementation of multimodal and intermodal, cross-jurisdictional systems, services, and projects designed to preserve capacity and **improve security, safety, and reliability** of the transportation system.



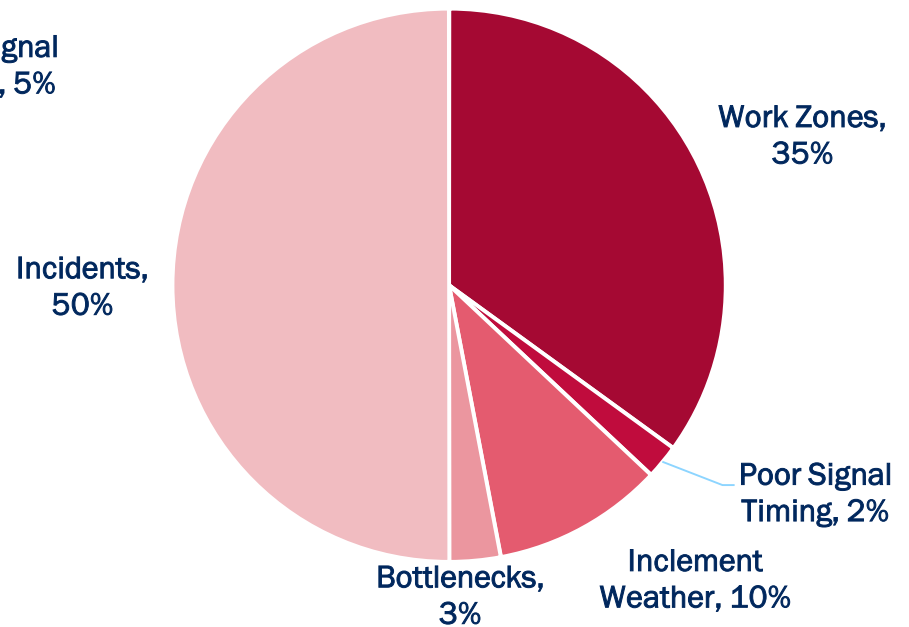
MAP-21, SECTION 1103 (a) (30) (A)

Urban Congestion Perspective



Source: 2015 Urban Mobility Scorecard

Rural Congestion Perspective



TSMO Strategies



- Active Transportation
- Congestion Pricing
- Freight Management
- Integrated Corridors
- Incident Management
- Managed Lanes
- Parking Management
- Road Weather
- Special Events
- Incident Management
- Traffic Signals
- Transit Signal Priority
- Traveler Information
- Work Zones

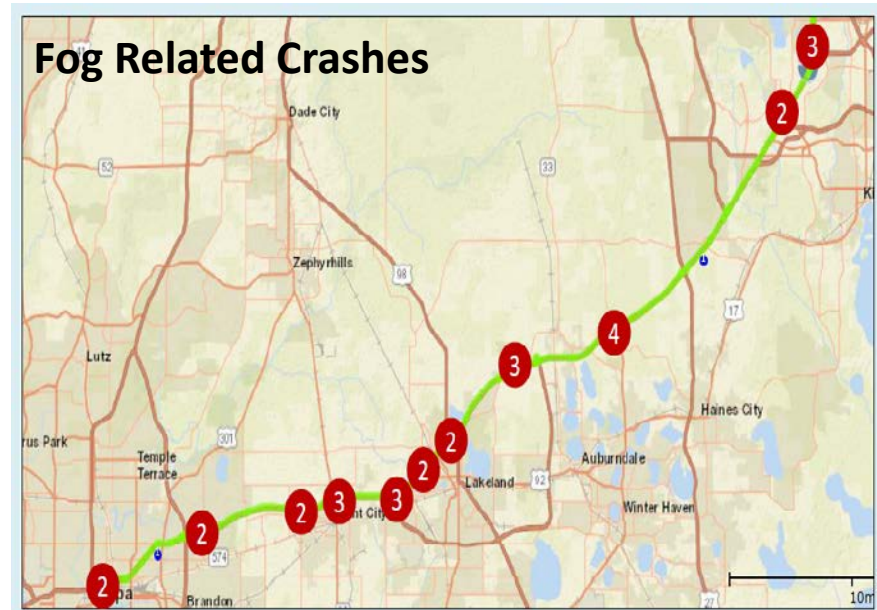
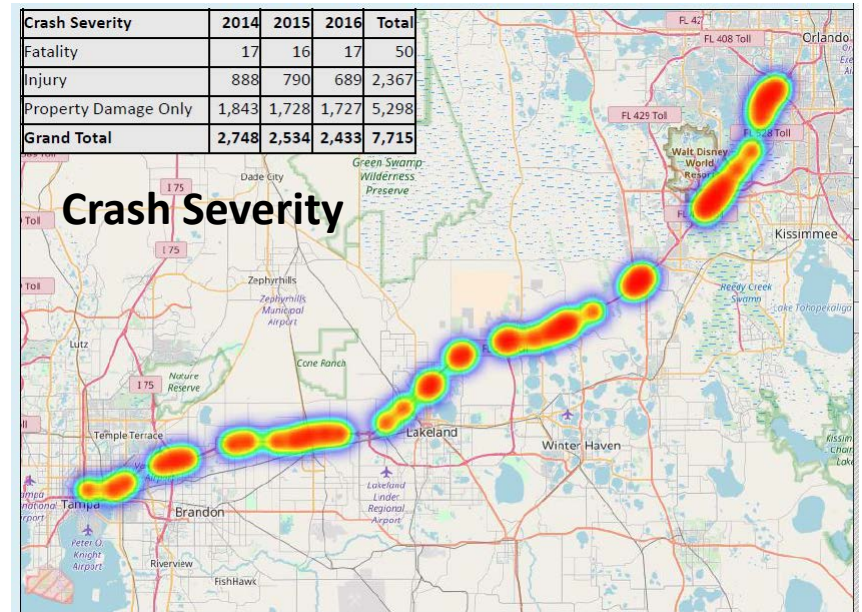
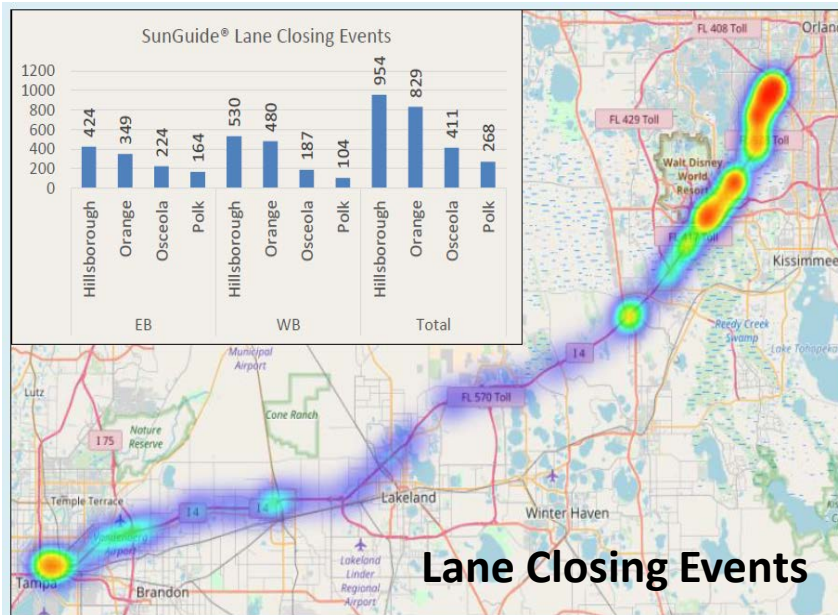
MetroPlan Orlando



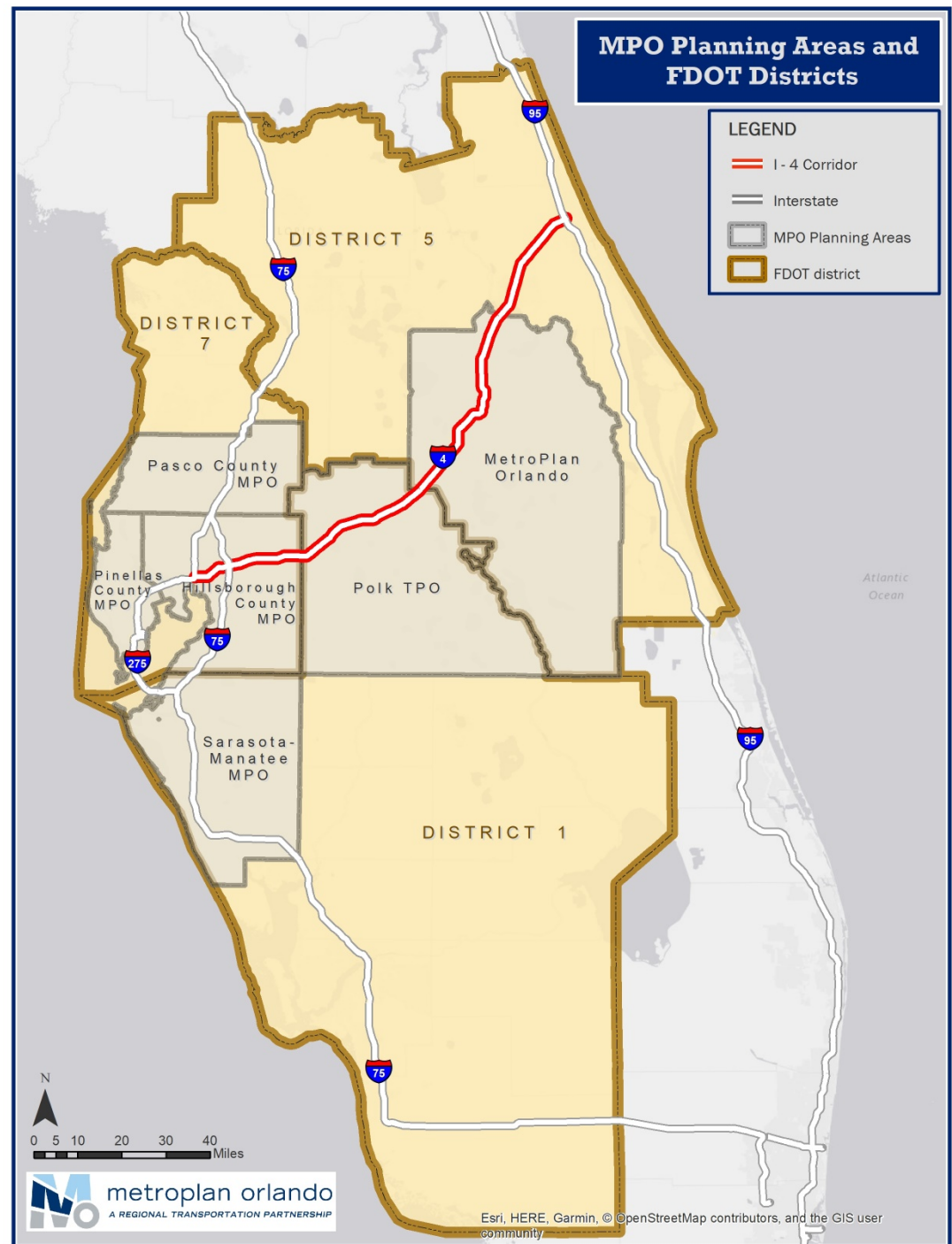
- 10 Worst First Behaviors/Locations
- TSMO Department
- Committee
- Funding
- “Champions”

“Most dangerous highway in America”

Source: ABC news; November 2017



- Polk TPO
- Hillsborough MPO
- Forward Pinellas
- *Sarasota/Manatee MPO*
- *Pasco MPO*



Tasks



- Task 1: Regional TSMO Opportunity
- Task 2: Policy Board Support
- Task 3: Development of TSMO
 - ❖ **Capability Maturity Model (CMM)**
- Task 4: Formalize Interagency Agreement
- Task 5: Management
- Task 6: Evaluation

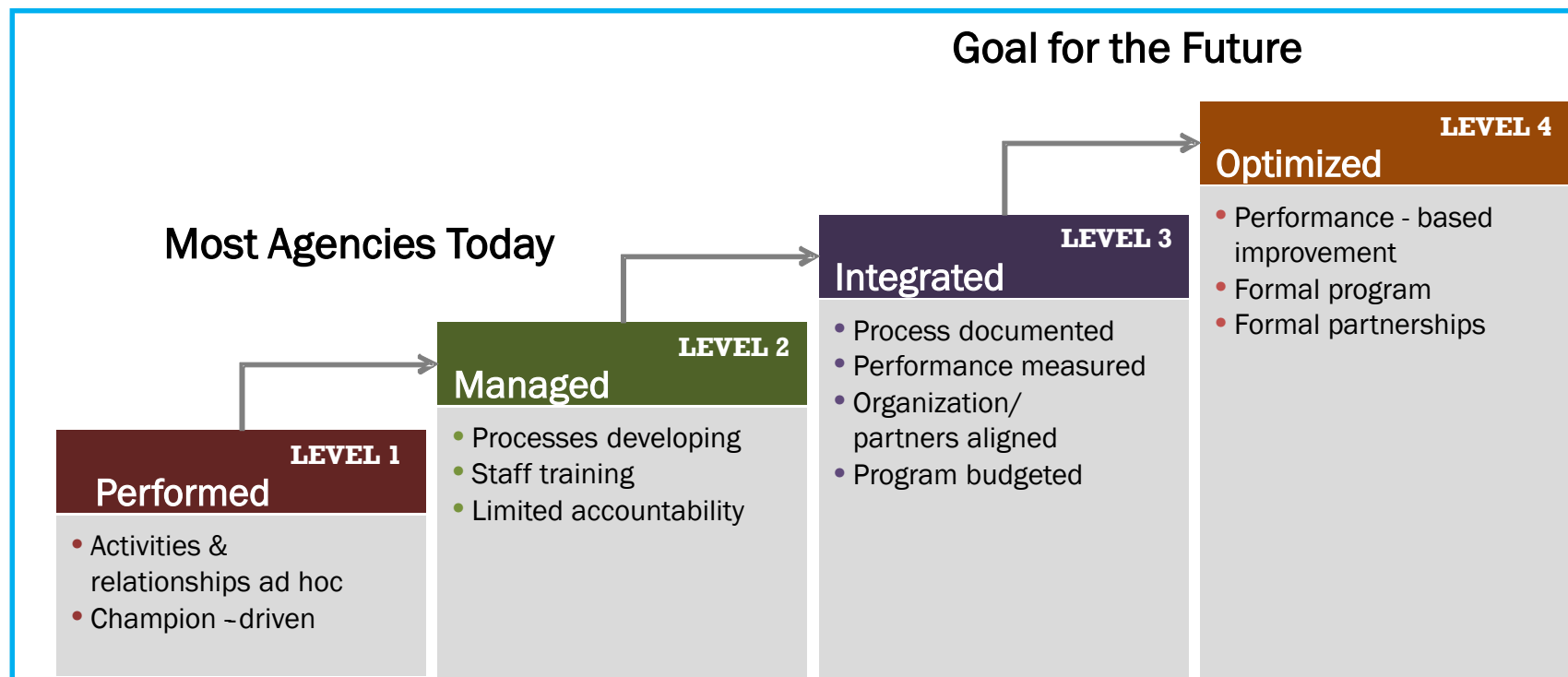
Dimensions of CMM*



- Business Processes
- Systems and Technology
- Performance Measurement
- Culture
- Organization and Staffing
- Collaboration

**Transportation Research Board (TRB); Strategic Highway Research Program (SHRP 2 L06)*

The focus is on continuous improvement - in effect, a roadmap for “getting better at getting better.”



CMM – FDOT D5

Capability Level Self Evaluation Structure			
DIMENSIONS	Level/Score (Out of 4)		Agency/Type
	2014	2017	
Business Processes	1.5	2.0	Consensus
Systems & Technology	1.0	2.0	Transit
	1.5	2.0	Other
Performance Measurement	1.0	1.0	Consensus: Arterial
	2.0	1.0	Consensus: Freeways
Culture	1.5	2.0	MPOs, FDOT, Transit
	1.0	2.0	Counties
Organization/Workforce	2.0	3.0	FDOT
	N/A	3.0	MetroPlan Orlando
	1.0/2.0	2.0	MPOs & Counties
Collaboration	2.0	2.5	Consensus

Within the District, there are five (5) MPOs/TPOs, representing nine (9) counties.

CMM – Regional TSMO Program

Capability Level Self Evaluation Structure				
DIMENSIONS	LEVEL 1 PERFORMED	LEVEL 2 MANAGED	LEVEL 3 INTEGRATED	LEVEL 4 OPTIMIZING
Business Processes	D7 P	H		
Systems & Technology		H	P	D7
Performance Measurement	P H			D7 P
Culture	P	D7		
Organization/ Workforce	D7 P			
Collaboration		P	D7	

P – Pasco; P- Pinellas; H-Hillsborough. Sarasota/Manatee MPO, Polk County TPO and FDOT D1 not included.

Evaluation



- TSMO, a core agency program
- Integration of TSMO
- Culture that supports and values TSMO
- Investments
- Reliability in analysis for projects
- Development of workforce capabilities
- Partnerships and collaboration

Challenges/Opportunities



- Staff turnover
- LRTP Updates
- Change
- Parochialism
- Resources
- Timing

Thank You

MetroPlanOrlando.com | 407-481-5672

250 South Orange Ave., Suite 200, Orlando, FL 32801

