Advancing TSMO:
A Federal Perspective

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TexITE Dallas
May 2020
Communicating and Integrating TSMO
Business Cases for TSMO
Connecting Operations to Other Core Agency Programs
TSMO Resources and Opportunities
Challenges Communicating and Integrating TSMO

- What is TSMO anyway?
- Why should I care about TSMO?
- What budget funds TSMO?
- Where does TSMO fit in my agency?
- TSMO Education
- TSMO Outreach
- Is it better to:
  - Have a TSMO Division?
  - Spread it throughout the agency?
- Internal Agency Culture
- Design-Conduct-Maintain
- Moving People and Goods
Challenges Communicating and Integrating TSMO

Why should I care about TSMO?

TSMO Education

TSMO Outreach

What budget funds TSMO?

Internal Agency Culture

Design-Construct-Maintain

Moving People and Goods

Is it better to:

Have a TSMO Division?

Spread it throughout the agency?

Where does TSMO fit in my agency?

What is TSMO anyway?
Integrating and Mainstreaming TSMO into Agencies

- TSMO program development
- Building TSMO into agency processes
- Developing agency culture that supports/values TSMO
- Communicating value of TSMO/business case
- Considering reliability
- Developing effective partnerships/collaboration – internal and external
- Developing workforce capabilities for TSMO
Integrating and Mainstreaming TSMO into Agencies

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Integrating TSMO: TSMO Program Planning

- Moves TSMO from an ad hoc set of activities or strategies into a cohesive program that is vital to the mission of the agency.
- Facilitates integration and mainstreaming of TSMO within a transportation organization to support new and evolving roles and responsibilities.

Integrating TSMO Into Business Processes: Florida

Modifying processes to integrate TSMO and reliability into planning – project and strategy analysis, investment decisions

• Florida DOT
  – Integrated TSMO and reliability analysis into processes
  – Planning for reliability guide
  – Planning for TSMO guide
  – Outreach and training
Communicating the Value of TSMO: Business Case to Leadership

- TSMO outreach toolkit
- Short videos
- Success stories

https://transportationops.org/business-case
Communicating the Value of TSMO: Business Case to the General Public

Tired of Sitting in Traffic? Us too.

The Michigan Department of Transportation (MDOT) is implementing innovative solutions that reduce congestion and increase safety simply by improving the day-to-day operations of the roads we've already built. These solutions use advanced technologies and partnerships to increase mobility, reliability, and safety. Cost-effective and quick to implement, they also provide high benefit-to-cost ratios when combined with traditional means of building and maintaining the state transportation system. Plus, these solutions build on and strengthen MDOT’s current longtime services, such as clearing crashes and plowing snow. Some examples of these solutions and their benefits are listed to the right.

To learn more about MDOT’s operational solutions, please visit: www.michigan.gov/mdot
Many Connections are Needed

Planning
Design
Construction
Maintenance
Operations

TSMO
Establish relationships across units
Understand what’s important from both perspectives
Talk a common language
Build TSMO into agency processes
Joint training and workshops
Collaborate on TSMO program development
Connecting Operations: TSMO Fact Sheets

SAFETY
Enhancing Transportation: CONNECTING TSMO AND SAFETY

ENVIRONMENT
Enhancing Transportation: CONNECTING TSMO

HUMAN RESOURCES
Enhancing Transportation: CONNECTING TSMO AND HUMAN RESOURCES

CONSTRUCTION
Enhancing Transportation: CONNECTING TSMO

MAINTENANCE
Enhancing Transportation: CONNECTING TSMO AND MAINTENANCE

ASSET MANAGEMENT
Enhancing Transportation: CONNECTING TSMO AND ASSET MANAGEMENT

The transportation industry is rapidly evolving with advanced technology and a new emphasis on management and operations. Roadways are becoming increasingly complex, and transportation systems management and operations (TSMO) is the use of strategies, techniques, and technologies to make road and bridge maintenance activities safer for workers and traffic and less disruptive to travelers by managing traffic during maintenance activities and alerting drivers to the presence of work crews and lane closures.

WHAT IS TSMO?
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WHAT IS TSMO?
Transportation systems management and operations (TSMO) is the use of strategies, techniques, and technologies to make road and bridge maintenance activities safer for workers and traffic and less disruptive to travelers by managing traffic during maintenance activities and alerting drivers to the presence of work crews and lane closures.

https://ops.fhwa.dot.gov/plan4ops/focus_areas/integrating/tsmo_factsheets.htm

U.S. Department of Transportation
Federal Highway Administration
TSMO Resources:
Operations Center of Excellence

- Launched early 2015
- Collaboration of AASHTO, ITE, ITSA with support from FHWA
- Website and Technical Services
  - Technical resources
  - Calendar of events
  - Peer exchanges
  - Webinars
  - Newsletter, and more
TSMO Resources and Opportunities: Workshops

• Contemporary Approaches to Travel Demand Management

• TSMO Program Planning

• Planning for Travel Time Reliability
Contact Information

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