

# TSMO

MARYLAND TRANSPORTATION SYSTEMS MANAGEMENT & OPERATIONS

**MDOT** MARYLAND DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

## MDOT SHA TSMO PROGRAM

### What is TSMO?

An integrated approach to programmatic optimization of planning, engineering, operations, and maintenance in implementing new and existing multi-modal systems, services, and projects to preserve capacity and improve the security, safety, and reliability of our transportation system.

### Our Vision

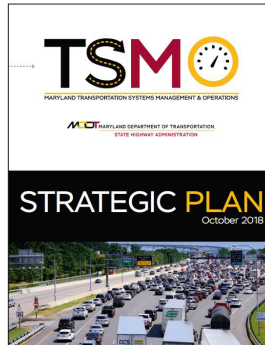


A customer-driven leader working to provide safe, efficient, and innovative transportation solutions that meet or exceed customer expectations.

### Our Purpose



Implement a sustainable, organization-wide TSMO Program at MDOT SHA that fully maximizes the ability of Maryland's transportation system to consistently move people and goods.



- **Plan provides:** Vision, Purpose, Goals, Objectives & Strategies
- **Focus on Integration:** Institutional, Operational & Technical
- **Governance Structure:** Executive Committee, Working Group & Task Forces

### 2018 MDOT SHA TSMO GOALS & OBJECTIVES

Four goals and objectives have been established to achieve the Vision and Purpose of the 2018 TSMO Strategic Plan.

#### GOAL 1



BUSINESS PROCESSES & COLLABORATION

#### GOAL 2



SYSTEMS & TECHNOLOGY

#### GOAL 3



DATA, ANALYSIS & PERFORMANCE MANAGEMENT

#### GOAL 4



CUSTOMER EXPERIENCE & ENGAGEMENT

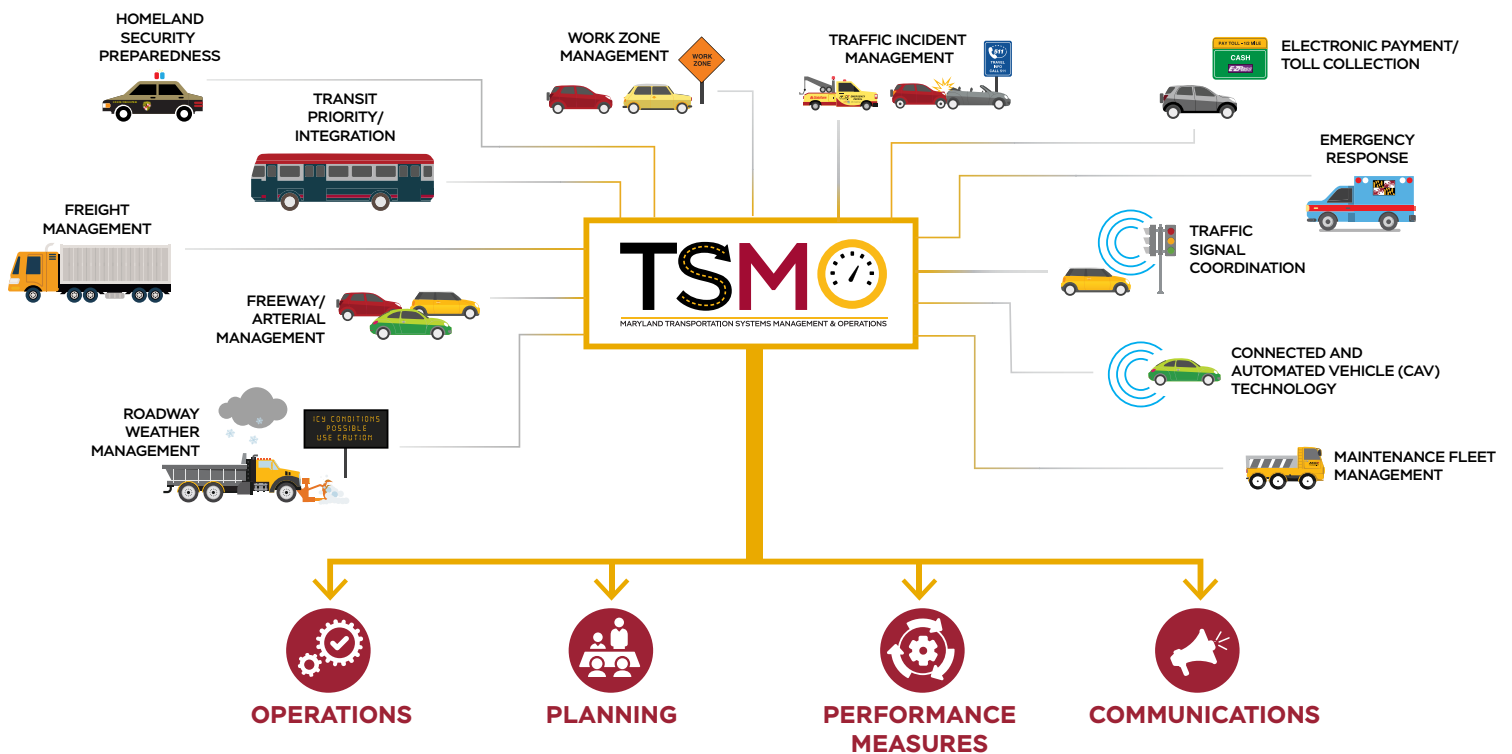
## WHAT DOES TSMO MEAN FOR MDOT SHA? ←



- More frequent coordination and collaboration
- Changes to scoping/project development process
- Enhanced communication methods and frequency
- Technology deployment
- Resources/assistance for project planning and implementation

## ➤ RETHINKING OUR TRANSPORTATION SOLUTIONS & SERVICES

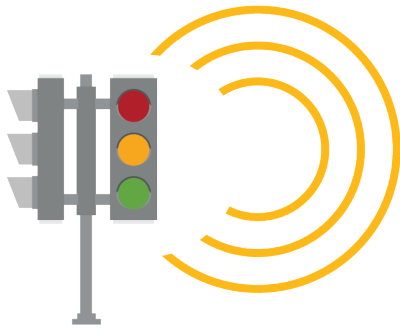
Building a “System of Systems” – modern, innovative solutions that focus on the system as a whole – a combination of strategies, technologies, roadway improvements, and partnerships to take full advantage of the network, optimize traffic flow, and improve safety.



## REDEFINING PURPOSE & NEED

Need to explore/consider all possible solutions to transportation challenges:

- Update and formalize existing processes
- Consider TSMO strategies in whole or in part
- Use Annual Mobility Report and other data/metrics
- Include maintenance, operations, and traffic incident management personnel in discussions



## DATA TECHNOLOGY TO SUPPORT TSMO

- Real time applications
- Archived data applications
- Combination of in-house tools and UMD CATT Lab RITIS
- MDOT Common Operating Picture

## TSMO ORGANIZATIONAL STRUCTURE

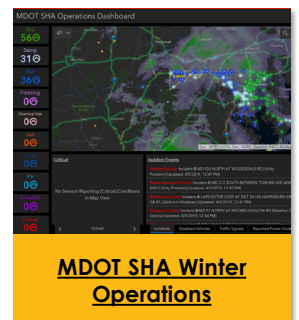
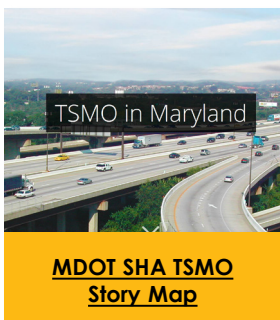
TSMO EXECUTIVE COMMITTEE

TSMO WORKING GROUP & TASK FORCES

MDOT SHA OFFICES & DISTRICTS AND MDOT TBUS

## TSMO RESOURCES

- MDOT SHA Internet Website
- MDOT TSMO SharePoint (Internal)
- TSMO University
- GIS Story Maps
- Newsletters, Brochures, TSMO Articles, etc.



## NEXT STEPS WITH TSMO

- TSMO Awareness, Education, Training, Communication, and Outreach
- Work with you to review performance data and map projects
- Data exchange – workshops, training, brainstorming sessions
- Identify District Teams/Champions

## CONTACT US



### STATE HIGHWAY ADMINISTRATION

#### JOSEPH SAGAL

Director

Office of CHART and ITS Development

(410) 582-5605

[jsagal@sha.state.md.us](mailto:jsagal@sha.state.md.us)

#### SUBRAT MAHAPATRA

Deputy Director, TSMO & CAV

Office of CHART and ITS Development

(410) 582-5613

[smahapatra@sha.state.md.us](mailto:smahapatra@sha.state.md.us)

Visit our intranet:

<https://mdotgov.sharepoint.com/sites/SHA-TSMO/SitePages/Home.aspx>