Transportation Systems Management & Operations (TSMO)

TSMO is a philosophical shift that focuses on **operational improvements** that can **maintain** and **restore** the performance of the existing transportation system before extra capacity is needed.

The Federal Highway Administration defines TSMO as...

> “**Integrated** strategies to optimize the performance of existing infrastructure through the implementation of multimodal and intermodal, cross-jurisdictional systems, services, and projects to **preserve capacity** and **improve security, safety, and reliability** of a transportation system.”

**What is TSMO?**

- Strategies that Focus on Safety and Maintenance of the Overall Transportation System
- A Shift in the Management of Transportation Systems to Optimize Existing Infrastructure
- Advocates for Funding for Mobility Strategies thru Cost-Savings Coordination
- Prioritizes Road User Quality of Life
WHY TSMO?

“Coming together is a beginning. Keeping together is progress. Working together is success.”
-Henry Ford

TIM has reduced annual delay by 129.5 MILLION HOURS saving the public $2.5 BILLION
TIM reduced secondary crashes by 69%

Connected Truck Platooning could reduce fuel costs by 20 - 25%

Active Work Zone Management reduces crashes by 18 - 45%

Road Weather Information Systems lower crash rates by up to 83% and labor hours by up to 62%

Causes of Congestion

Traffic Incidents | Inclement Weather | Work Zones | Special Events | Poor Signal Timing | Bottlenecks
---|---|---|---|---|---
0% | Targeted by TSMO (60%) | Not targeted by TSMO (40%) | 100%