New Projects

**Update and Expand Model Plans for TSMO Desk Reference** – The objective of this project is to update and expand the technical material in the Model Plans Desk Reference for transportation systems management and operations (TSMO) to reflect recent noteworthy practices, make it consistent with other FHWA materials, validate and revise technical references, add more recent examples of TSMO integration into planning, and present illustrations of how TSMO might be reflected in other stages of the project lifecycle beyond the long-range transportation plan.

Estimated completion: September 2022

For more information, contact Jim Hunt (Jim.Hunt@dot.gov, 202-680-2679).

**Connecting TSMO and Transportation Equity** – This project will explore potential opportunities for State and local transportation agencies to advance both TSMO and Transportation Equity together. With a great focus on equity, this presents an opportunity to advance TSMO programs in a way that can support equity goals. This project will also explore equity considerations when advancing TSMO strategies.

Expected completion: September 2022

For more information, contact Joe Gregory (Joseph.Gregory@dot.gov, 202-366-0610).

**Applying TAMP Performance Requirements to Pavement and Bridge Conditions** – Transportation Asset Management Plans (TAMPs) are required to improve or preserve the condition of the assets and performance of the system, which at a minimum includes pavements and bridges on the National Highway System. Here “performance” refers to the safe and efficient movement of people and goods, where that can be affected by physical assets. This project will identify and communicate the linkages between the state of good repair for pavements/bridges and system performance and how the physical condition of pavements and bridges impacts the safety, mobility, and reliability of the transportation system.

Expected completion: June 2022

For more information, contact Joe Gregory (Joseph.Gregory@dot.gov, 202-366-0610).

Ongoing Projects

**TSMO Strategy Toolkit** – The objective of this project is to create a TSMO Strategy Toolkit that will serve as a one-stop shop for the collection of TSMO strategies. The Toolkit will help practitioners identify the range of TSMO strategies, identify which strategies might be most useful for their situation or issue, and easily connect with existing resources to help them apply the strategies. The Toolkit will include a strategy matrix, fact sheets, and tips for use.

Estimated completion: September 2022

For more information, contact Tracy Scriba (Tracy.Scriba@dot.gov, 202-366-0855).

FHWA Office of Operations Training Portfolio Analysis

The FHWA Office of Operations, Office of Transportation Management, is undertaking a comprehensive review of our portfolio of training and workshop offerings to strengthen coordination among programs, reduce redundancies, develop logical sequences of courses, and increase use of modern instructional systems design
and adult learning principles. The effort will result in a training framework and strategic approach that will
support the outreach and training aspects of various programs under the teams in the Office of Transportation
Management: (1) Organizing and Planning for Operations, (2) Innovative Operations Strategies, and (3)
Connected and Automated Vehicles and Emerging Technologies.

Expected completion: April 2022
For more information, contact Jim Hunt (Jim.Hunt@dot.gov, 202-680-2679).

Applying TSMO to Rural Areas – This project will support transportation stakeholders in rural areas by
synthesizing the state of the practice for TSMO in rural areas, sharing successful TSMO implementation
strategies in rural areas that may be applicable more widely, and showcasing emerging technologies that show
promise in expanding TSMO strategies in rural areas.

Expected completion: February 2022
For more information, contact Joe Gregory (Joseph.Gregory@dot.gov, 202-366-0610).

Planning for Operations Web-Based and Web-Conference Training
The FHWA Office of Operations is collaborating with the Agency’s National Highway Institute (NHI) to
transition two workshop offerings—one on Planning for Operations and one on Planning for Reliability—to
NHI. The new training will be available through a combination of web-based (independent, asynchronous) and
web-conference (facilitator-led) courses and modules. This training will enhance the ability of agencies to
further integrate TSMO into transportation planning and project development contexts.

Expected completion: April 2022
For more information, contact Jim Hunt (Jim.Hunt@dot.gov, 202-680-2679).

Influence of Operational Strategies on PM3 and Other Travel Time-Based Measures – This project will
develop operational strategy evaluation approaches, including before/after evaluations, and will look for and
define relationships between these outcomes and the third performance measure rule, or PM3, measures.
This project focuses on recurring congestion operational strategies –freeway and arterial operations. The
ultimate deliverable will be a primer on these concepts as well as a marketing and outreach/training plan for
going this information out to users.

Estimated Completion: March 2022
For more information, contact Rich Taylor (Rich.Taylor@dot.gov, 202-366-1327).

Connecting TSMO and Safety – The purpose of this project is to advance the integration of TSMO and safety
by providing a summary of current practices, identifying opportunities for considering TSMO and safety more
holistically, and offering recommendations to better integrate TSMO and Safety in State and regional planning
efforts, as well as in ongoing systems. A summary report, case studies, and a webinar will be completed.

Expected completion: April 2022
For more information, contact Jim Hunt (Jim.Hunt@dot.gov, 202-680-2679).

Connecting TSMO with other Disciplines Presentation Series – Building on our TSMO Factsheet Series
explaining the potential connections between a transportation agency’s TSMO program and other common
functions, this project will develop a companion set of presentation slide decks that can be used by any agency
for outreach to other disciplines for in-depth discussion on how to better integrate efforts.

Expected completion: March 2022
For more information, contact Joe Gregory (Joseph.Gregory@dot.gov, 202-366-0610).
Leveraging and Coordinating Information Technology (IT) and TSMO – The objective of this project is to improve the coordination and help bridge the gaps that often exist between IT and TSMO/Intelligent Transportation Systems (ITS) units in State and local agencies. Project deliverables include a synthesis of the current state of the practice regarding the IT-ITS/TSMO interface across the country, models, best practices, guides, case studies, webinars, and fact sheets. One fact sheet and two webinars have been completed and can be accessed at: [https://ops.fhwa.dot.gov/plan4ops/focus_areas/integrating/it.htm](https://ops.fhwa.dot.gov/plan4ops/focus_areas/integrating/it.htm)

Expected completion: December 2021

For more information, contact Jim Hunt (Jim.Hunt@dot.gov, 202-680-2679).

**TSMO Video Series** – A series of short videos that will explain TSMO, share successful examples of TSMO in action, and highlight the benefits of implementing TSMO strategies and better mainstreaming TSMO within State and local agencies.

Estimated Completion: February 2022

For more information, contact Tracy Scriba (Tracy.Scriba@dot.gov, 202-366-0855).

Mainstreaming TSMO – This project is identifying elements that play a key role in mainstreaming TSMO in transportation agencies and examples from transportation and other industries. Successes and lessons learned will be synthesized into a set of short materials including brochures and webinars to help State and local agencies further their efforts to advance and mainstream TSMO.

Estimated Completion: May 2022

For more information, contact Tracy Scriba (Tracy.Scriba@dot.gov, 202-366-0855).

Regional Operations Leadership Forums – A 2.5-day structured peer exchange that helps develop TSMO champions from key managers and leaders. The forum enables program leaders at public agencies to build knowledge in TSMO while also developing a strong network of TSMO peers. The forum covers core TSMO topics such as business processes, culture, and workforce, as well as some technical topics based on the needs of the group. The FHWA and American Association of State Highway and Transportation Officials (AASHTO) are working together to deliver the forum to every region of the country. Participants in these events have valued the dialogue among States and other agencies and found that they have spurred efforts to advance TSMO within their agencies.

Estimated Completion – Ongoing

For more information contact Tracy Scriba (Tracy.Scriba@dot.gov, 202-366-0855).

Applying Asset Management to Signals and ITS – A series of primers that will equip State and local agencies to apply asset management principles to signals and ITS assets. The materials are structured around the MAP-21 TAMP requirements.

Estimated Completion – January 2022

For more information, contact Joe Gregory (Joseph.Gregory@dot.gov, 202-366-0610).