

Federal Highway Administration (FHWA) Institutional Foundation for Effective Operations —Current Program Activities

New Projects

Urban Congestion Report (UCR) Program and Operations Dashboard—This project will produce UCR products (including quarterly measures/reports and annual Urban Congestion Trends reports) using the NPMRDS, provide research into and options for a monthly national dashboard and supporting info, and provide related technical assistance.

Expected completion: March 2025

For more information, contact Rich Taylor (rich.taylor@dot.gov, (202) 366-1327).

Ongoing Projects

Influence of Operational Strategies on PM3 and Other Travel Time-Based Measures—This project will develop operational strategy evaluation approaches, including before and after evaluations, and will look for and define relationships between these outcomes and the [third performance measure rule, or PM3](#). This project focuses on recurring congestion operational strategies for both freeway and arterial operations. The primary products will be a primer on these concepts as well as an outreach and training plan for sharing the information with users.

Expected completion: Fall 2023

For more information, contact Rich Taylor (rich.taylor@dot.gov, (202) 366-1327).

TSMO Strategy Toolkit—This project is creating a TSMO Strategy Toolkit that will serve as a one-stop shop for the collection of TSMO strategies. The toolkit is intended to help practitioners understand 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 using it.

Expected completion: Early 2024

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

National Highway Institute (NHI) Web-Based Training on TSMO 101 and the Capability Maturity Model (CMM)—This project will develop two NHI online training sources. One will be an introductory course for transportation professionals and other stakeholders who may not be familiar with TSMO. The second course is on the CMM that targets State and local TSMO champions who wish to better understand the CMM and conduct a self-assessment within their agency.

Expected completion: Spring 2024

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

Regional Operations Leadership Forums—This 2.5-day structured peer exchange 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. FHWA and the American Association of State Highway and Transportation Officials are working together to deliver the forum to every region of the country. Participants have valued the dialogue among States and other agencies and found that they have spurred efforts to advance TSMO within their agencies.

Expected completion: Summer 2023

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

The Role of Operations in Complete Streets—This project will develop a primer and brochure to help illustrate the role of operations in Complete Streets projects and initiatives. The primer and brochure will frame potential operations impacts on different street users and show how operations strategies, such as parking management, traffic signal timing, real-time information, and multimodal strategies, can be leveraged to enhance Complete Streets concepts.

Expected completion: June 2024

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

Use of Real-Time Operations Strategies and Data for Proactive Safety Intervention—This project will synthesize the availability of real-time operations strategies and data to support dynamic safety countermeasures. Recognizing that safety analysis often relies on historical data and implementing countermeasures retroactively, this project will advance the use of short-term safety intervention based on real-time and forecasted conditions.

Expected completion: August 2024

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

Toolkit and Case Studies for Improving Equity in Transportation Operations—This project will develop a basic set of technical resources that transportation professionals can use to ensure that transportation operations improvements, strategies, and services are implemented with transportation equity considerations in mind. Resources will include case studies of current innovative practices and an online practitioner toolbox.

Expected completion: Fall 2024

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

Develop a Framework for Integrating Emerging Trends and Technologies to Advance TSMO Programs in Local Agencies—This project will develop a flexible framework to help agencies assess and integrate emerging trends and technologies in the transportation systems management and operations (TSMO) efforts of transportation stakeholders, with an emphasis on local agencies. The end product will include examples showcasing the framework and how it could be applied.

Expected completion: December 2024

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