

Memo



Metro

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Date: Tuesday, September 10, 2019
To: JPACT
From: Caleb Winter, Senior Transportation Planner
Subject: Transportation System Management and Operations (TSMO) Strategy Update Kick-off

Purpose: To provide an overview of the Transportation System Management and Operations (TSMO) Strategy Update.

The [2010-2020 TSMO Plan](#)¹ continues to guide the actions in an important topical area of the region's transportation system. This was the region's first collection of strategies to bring advances in Intelligent Transportation Systems (ITS) together with Operations to better manage congestion. The plan has helped coordinate work across agencies to improve responses to incidents, and develop traveler information systems to help coordinate information to the public. By implementing these strategies, the region makes more efficient use of our existing infrastructure.

The strategy guided investments in TSMO for the last ten years and now it is time to look ahead at the next decade. The TSMO Strategy update planning is just beginning and it is an important time to hear from JPACT on the work plan ahead (see attachment). This planning process will assess strategies, set the course for advancing agency capabilities and develop a series of actions to deliver on the region's desired goals and objectives.

The TSMO Strategy will be shaped by the 2018 Regional Transportation Plan policy direction to advance equity and safety while reducing congestion and carbon emissions. These policies create the lens for the TSMO Strategy in developing actions to achieve RTP Goal 4, *Reliability and Efficiency: The transportation system is managed and optimized to ease congestion, and people and businesses are able to safely, reliably and efficiently reach their destinations by a variety of travel options.*

The TSMO Strategy update will set the course for future TSMO Program investments. The current TSMO program has invested in cities and counties to manage traffic with many projects, such as an advanced traffic signal control system, connected to a shared central server. Travelers can access up to date construction, event and crash information provided by local operators in one central place, TripCheck.com, where information is then served to third-parties for use on multiple travel apps. The TSMO program has also coordinated investments and supported ODOT efforts, such as their pioneering of a connected vehicle information platform to share public data directly to vehicle dashboards, in coordination with major automakers.

The TSMO program continues to convene a regional body of Traffic Engineers with stakeholders such as data scientists, cybersecurity experts, incident responders and more through TransPort, a Subcommittee of the region's Transportation Policy Advisory Committee (TPAC). This collaboration has vetted new concepts for the region such as the approach TriMet is spearheading with Next Generation Transit Signal Priority, to make signal priority requests data driven in real-time, benefitting the bus with a full load of passengers to get back on schedule.

What goes into the strategy document that will guide TSMO? The attachment provides an overview of five phases leading towards a TSMO Strategy update, with deliverables that will provide value to

¹ The 2010-2020 TSMO Plan is available online: <http://www.oregonmetro.gov/regional-transportation-system-management-and-operations-plan>

the TSMO Program for the next decade. The work ahead will involve a focus on equity and participation from planners, engineers and operators. If you have any questions or comments, please contact me at caleb.winter@oregonmetro.org or call 503-797-1758.