

Improving Connections to Transit through Collaboration



TRANSPORTATION SYSTEMS MANAGEMENT & OPERATIONS TOOLS

Transportation Systems Management & Operations, or TSMO, focuses on cost-effective strategies that prioritize the safety, access, and reliability of the multimodal transportation system.



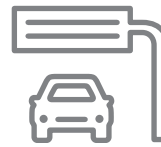
PLANNING
AND POLICY
DEVELOPMENT



TRANSPORTATION
OPERATIONS



COOPERATIVE
AUTOMATED
TRANSPORTATION
& TECHNOLOGY



INTELLIGENT
TRANSPORTATION
SYSTEMS (ITS)



TRANSPORTATION
DEMAND
MANAGEMENT

Transportation Demand Management includes all the activities and initiatives supported by Washington Department of Transportation (WSDOT), like improving connections to transit, to provide a balanced transportation system that works for all users. Strategies include education, incentives, and disincentives to reduce the need for vehicle trips, and to shift to higher occupancy modes like transit and ridesharing.

Why is collaboration necessary for TSMO's success?

There are many cases where TSMO requires strong partnerships. For example, to fully realize the benefits of transit signal priority along a corridor for multiple jurisdictions, or to coordinate an emergency management plan during a major regional natural disaster, or the coordination of a traffic management center, WSDOT needs to work closely with partner transportation agencies, transit providers, emergency management, and incident responders. This collaboration

creates for a more holistic, system-wide management of regional transportation.

BENEFITS:

- Holistic, system-wide management of the regional transportation system
- Increases safety
- Emergency management coordination
- Centralized traffic management center

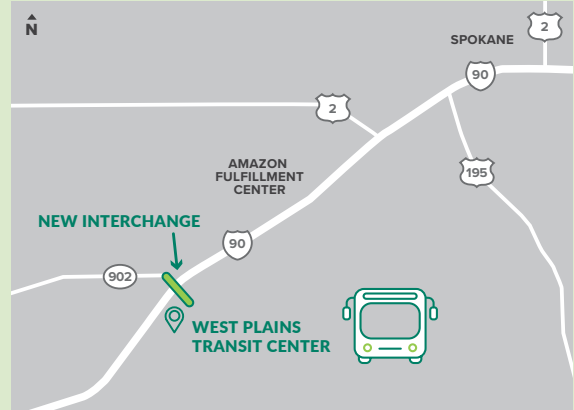


New "transit only" lanes open at West Plains Transit Center.
(Photo credit: Spokane Transit Authority)

Case Study

West Plains Transit Center • Spokane, Washington

On November 19, 2020, buses serving the West Plains Transit Center began using new transit-only lanes to access the Medical Lake Interchange and Interstate 90. This Transit Center serves buses traveling to/from SR 902 and both directions of I-90. The project was completed through a partnership with WSDOT, with funding provided by a state regional mobility grant and voter-approved funds. The project's transit-only lanes are a first for a freeway interchange in eastern Washington, which also features a series of four roundabouts along Aero Road. Bus schedules were adjusted in January 2021 to reflect travel time savings and the addition of new service.



RESULTS:



1 TRAVEL TIME SAVINGS

5 MIN

DIRECT ACCESS TO THE TRANSIT CENTER VIA THE TRANSIT ONLY LANES AND ROUNDABOUTS SAVE ~5-7 MINUTES OF TRAVEL TIME FOR BUSES (TOTAL SAVINGS FOR INBOUND AND OUTBOUND)



2 IMPROVED ACCESS TO TRANSIT



INCREASES SERVICE FREQUENCY: THE TRANSIT CENTER INCREASES SERVICE FREQUENCY FOR EXISTING ROUTES (ROUTE 62)



3 ACCESS TO JOBS



INCREASED RIDERSHIP ON ROUTES TRAVELING THROUGH THE TRANSIT CENTER DUE TO THE OPENING OF THE NEW AMAZON FULFILLMENT CENTER ON THE NORTHSIDE OF I-90 IN JUNE 2020



4 REAL-TIME BUS ROUTE MANAGEMENT



STA PROACTIVELY RE-ROUTES BUSES IN REAL-TIME TO PRESERVE TRANSIT RELIABILITY AND ON-TIME PERFORMANCE (STA HAS DIRECT ACCESS TO WSDOT CAMERAS ON I-90)

QUESTIONS? CONTACT:

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TO LEARN MORE ABOUT TSMO
VISIT: <https://tsmowa.org>