

Potential Mobility Policy Elements and Most Promising Performance Measures to Consider for Testing

Metro and the Oregon Department of Transportation (ODOT) are working together to update the policy on how we define and measure mobility in the Portland region in the Oregon Highway Plan (OHP), Regional Transportation Plan (RTP), local transportation system plans (TSPs) and corridor plans, and during the local comprehensive plan amendment process.

This document summarizes the potential mobility policy elements and most promising performance measures to consider for testing. Throughout April and May, Metro and ODOT will engage the Metro Council, regional advisory committees (JPACT and the Metro Policy Advisory Committee), county coordinating committees (staff and policy-levels), and other stakeholders to seek feedback on the key policy elements and most promising measures identified to date.

Potential Mobility Policy Elements

The project team reviewed existing state and regional policy documents and [past stakeholder input](#) from the 2018 Regional Transportation Plan update, development of the Get Moving 2020 funding measure and the [Scoping Engagement Process](#) for this effort. Based on this review and subsequent feedback received through two workshops with the Transportation Policy Alternatives Committee (TPAC) and Metro Technical Advisory Committee (MTAC) in fall 2020, five key transportation outcomes were identified as integral to how we view mobility in an urban environment, specifically in the Portland region:

- **Access** - All people and goods can get where they need to go.
- **Time Efficiency** – People and goods can get where they need to go in a reasonable amount of time.
- **Reliability** - Travel time is reliable or predictable for all modes.
- **Safety** - Available travel options are safe for all users.
- **Travel Options** - People can get where they need to go by a variety of travel options or modes.

TPAC and MTAC also provided feedback on criteria to be used to screen and select potential mobility performance measures for testing that address one or more mobility policy elements. Since January 2021, the Consultant team applied the criteria through a four-step process to narrow a list of 38 potential mobility measures to 12 potential mobility measures that appear most promising for testing through case studies this summer. The screening process is summarized on page 2.

Most Promising Performance Measures to Consider for Testing

The most promising performance measures to consider for testing are shown below. As a group, the measures cover all modes. Seven of the 12 measures relate to more than one mobility policy element. Seven of the measures can be used for both system planning and plan amendments, the focus of this regional mobility policy update.

ID	Measure	Mobility Policy Elements					Planning Applications		
		Access	Time Efficiency	Reliability	Safety	Travel Options	System Performance/ Scenario Testing/Target	Needs Identification/ Project Identification	Plan Amendments/ Standard
13A	Multimodal Level of Service (MMLOS)	●			●	All modes		●	
13B	Level of Traffic Stress (LTS)	●			●	Bike, Pedestrian		●	●
15	Pedestrian Crossing Index	●	●		●	Pedestrian		●	●
24	System Completeness	●			●	All modes	●	●	●
27	Travel Speed			●	●	Vehicle, Freight, Transit	●	●	●
2	Accessibility to Destinations	●				All modes	●	●	
10	Hours of Congestion/Duration of Congestion		●	●		Vehicle, Freight, Transit	●	●	●
29	Travel Time Reliability (Planning and Buffer Travel Time Indexes)			●		Vehicle, Freight, Transit	●	●	●
36	VMT per Capita		●		●	Vehicle, Freight, Transit	●	●	
28	Travel Time		●			All modes	●	●	●
38	V/C for Roadway Links		●			Vehicle, Freight	●	●	●
37	Volume-to-Capacity Ratio (V/C) at Intersections		●			Vehicle, Freight		●	●

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Together, the technical screening process and stakeholder input will help shape staff’s recommendation to JPACT and Council on the key policy elements and measures recommended for testing through case studies.

Screening Process Leading to Most Promising Mobility Measures For Testing



¹ Removed because of its similarities to System Completeness and Accessibility to Destinations.
² Although a useful corridor-level metric, removed because is a difficult to apply.
³ Removed because it is an outcome and goal for the region, rather than a direct measure of mobility.
⁴ Removed because of its similarity to Hours/Duration of Congestion..
⁵ Removed because VMT per capita better reflects impacts to mobility.