

## Regional Mobility Policy Update

### Potential Mobility Performance Measures Recommended for Testing – Descriptions

Measures are listed alphabetically. As a group, the measures cover all modes. Most measures relate to more than one mobility policy element and can be used for both system planning and plan amendments, the focus of the regional mobility policy update. Specific definitions, thresholds and methods for each potential measure will be developed and tested through the case studies research.

Measure	Description	Modes
Access to destinations/opportunity	An aggregate measure of the ease by which a person can reach destinations, inclusive of all travel modes.	All modes
Duration of congestion	The number of hours within a time period, most often within a weekday, where a facility's congestion target is exceeded.	Vehicle, Freight, Transit
Level of Traffic Stress (LTS)	Level of traffic stress (LTS) classifies points and segments on routes into different categories of stress ranging from 1 (low stress) to 4 (high stress) based on factors that correlate to the comfort and safety of the bicyclist or pedestrian using that facility.	Bike, Pedestrian
Multimodal Level of Service (MMLOS)	MMLOS is an integrated level of service (LOS) system that measures the quality and level of comfort of urban streets per mode based on factors that impact mobility from the perspectives of pedestrians, cyclists, transit riders and auto drivers, respectively.	All modes
Pedestrian crossing index	The distance between pedestrian crossings compared to a target maximum distance.	Pedestrian
Person and goods throughput	The number of people or amount of goods, across modes, traveling through a segment, facility, or specified point in one direction over a specified time period.	All modes
Queuing	The extent of vehicles queued on intersection approach lanes, including on and off ramps, during a specified analysis period.	Vehicle, Freight
System completeness	The percent of planned facilities that are built within a specified network.	All modes
Travel speed	Average or a percentile speed for a network segment or between key origin-destination pairs, during a specific time period.	Vehicle, Freight, Transit
Travel time	Average or a percentile time spent traveling between key origin-destination pairs, during a specific time period.	All modes
Travel Time Reliability (TTR)	Indicators of congestion severity that assess on-time arrival and travel time variability.	Vehicle, Freight, Transit
Vehicle miles traveled per capita	The number of miles traveled by motorists within a study area, per the study area's population.	Vehicle, Freight, Transit
Volume-to-capacity ratio (V/C)	The ratio of motor vehicle volume to the motor vehicle capacity of a roadway link or an Intersection during a specified analysis period.	Vehicle, Freight

Note: The case studies will develop and test different methods and targets/standards for each potential measure for different land use and transportation contexts in selected case study locations.

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### Relationship Between Elements of Mobility and Potential Mobility Performance Measures

