

NCHRP 08-36, Task 102

- **Assessing Alternative Methods for Measuring Regional Mobility in Metropolitan Regions**
 - February 2012
- **Recommended Mobility Performance Measures**
 - Categories
 - Measurement Scale
 - Geographic Scale
 - Facility
 - Corridor
 - Areawide

Recommended NCHRP Facility Mobility Performance Measures

Category	Measurement Scale	Facility
Quantity of Travel	Facility-Based	Total VMT Truck VMT Total PMT SOV PMT HOV VMT Transit PMT
	Trip-Based	N/A
Quality of Travel	Facility-Based	HCM-based LOS Vehicle Delay Person Delay Travel Time Index Planning Time Index Percent On-Time
	Trip-Based	
Accessibility	Facility-Based	N/A
	Trip-Based	
Capacity Utilization	Facility-Based	Density Demand-to-Capacity Ratio Duration of Congestion Spatial Extent of Congestion
	Trip-Based	N/A

Recommended NCHRP Areawide Mobility Performance Measures

Category	Measurement Scale	Areawide
Quantity of Travel	Facility-Based	Total VMT Truck VMT Total PMT SOV PMT HOV VMT Transit PMT
	Trip-Based	N/A
Quality of Travel	Facility-Based	HCM-based LOS Vehicle Delay Person Delay Travel Time Index Planning Time Index Percent On-Time
	Trip-Based	Travel Time Index Planning Time Index Percent On-Time
Accessibility	Facility-Based	N/A
	Trip-Based	Cumulative Opportunity Index
Capacity Utilization	Facility-Based	Duration of Congestion Spatial Extent of Congestion
	Trip-Based	N/A