



Proposed CMAP Regional Indicators
(Transportation-Related)
Version 3

 = Indicators in other Themes
 = Data inventory indicators

Category	Subcategory	Data Set	Rating	Positive Direction
1 System Reliability	1.1 Highway <i>Planning Time Index: Ratio of the total time needed to ensure 95% on-time arrival as compared to a free-flow travel time.</i>	<i>Detector Data (Mobility Monitoring Program)</i>	1	Down
	1.2 Transit <i>on-time performance</i>	RTA	3	Up
	1.3 Aviation <i>on-time performance</i>	BTS	3	Up
	1.4 Inter-Regional Rail <i>on-time performance</i>	Amtrak	3	Up
2 System Operations	2.1 Highway Congested Hours <i>The average number of hours during specific time periods in which at least 20% of the vehicle-miles of travel on instrumented road network is congested. Congestion is defined to occur when link speeds are less than 50 mph.</i>	<i>Detector Data (Mobility Monitoring Program)</i>	1	Down
	2.2 Highway Travel Time Index <i>Ratio of the average peak period travel time as compared to a free flow travel time.</i>	<i>Detector Data (Mobility Monitoring Program)</i>	1	Down
	2.3 Passenger Trips per Capita <i>Number of unlinked passenger trips divided by the population for the six county service area</i>	RTA	2	Up
	2.4 Passenger Miles per Vehicle Revenue Hour <i>Number of unlinked passenger miles divided by the hours that a vehicle is in service, including layover / recovery time, but excluding deadhead time.</i>	RTA	2	Up
	2.5 Freight Travel Time <i>Rail travel time averages and variations across region for intermodal containers and average peak and offpeak travel time for trucks in freight significant corridors</i>	<i>Trucking Industry or Waybill Data/Detector Data (Mobility Monitoring Program)</i>	1	Down
	2.6 At-Grade Highway-Rail Grade Crossing Delay <i>Vehicle-minutes of delay for at-grade crossings/length of time for traffic to recover</i>	ICC/IHIS	1	Down
3 System Accessibility	3.1 Pedestrian Environment <i>Weighted pedestrian environment factor</i>	CMAP	2	Up
	3.2 Transit Connectivity Index <i>Measure developed by CNT using bus and train system route and service data to estimate the quality of transit in proximity to a census tract</i>	CNT	1	Up
	3.3 Transit Oriented Development <i>% of population within quarter mile of transit</i>	<i>American Community Survey/CMAP</i>	1	Up
	3.4 Walkability/Bikeability <i>Measured as Pedestrian Level of Service (PLOS) and Bicycle Level of Service (BLOS). Based on field research by Landis et al quantifying the perceived comfort level of both on-road cyclists and pedestrians along the road. Early results of CMAP research indicate strong relationship between PLOS and pedestrian crash rates.</i>	IDOT/County Data	1	A = Best

Proposed CMAP Regional Indicators
(Transportation-Related)
Version 3

4 Travel Choices	4.1 Inter-Regional Destinations Served by Distance # of destinations served by distance intervals for air (non-stop)/inter-region rail/inter-region bus	Published Schedules	2	Up
	4.2 VMT per Capita Average vehicle miles traveled per person	IDOT/CMAP	1	Down
	4.3 Mode Share % of work trips by mode * As data becomes available this will change from work trips to all trips	American Community Survey *Regional surveys	1	Lower Single-Occupant Auto Share
	4.4 Auto Ownership Average number of vehicles per hhs	American Community Survey	1	Down
	4.5 Percent of Truck Volumes Occurring Off-Peak Vehicle Classification by Time-of-Day	Mobility Technologies or I-Pass Vehicle Classification by Time-of-Day	1	Up
5 System Maintenance	5.1 Road Condition/Rating System Condition Rating. International Roughness Index % above 170 (poor)	Illinois Highway Information System	1	Down
	5.2 Bridge Condition Bridge Condition Rating. % Structurally deficient or functional obsolete (poor)	National Bridge Inventory	1	Down
	5.3 Transit Maintenance Percent of assets in good condition per the FTA	RTA	3	Up
	5.4 Road Condition to Intermodal Facilities Condition Rating for National Highway System Intermodal Connectors	IDOT	1	Down
6 System Investment	6.1 Program Accomplishment/System Investment % of Annual Element Accomplished, by Agency and Funding Program and transit capital program implementation	For the Record, Transportation Improvement Program / RTA	1	Up
	6.2 Transportation Energy Consumption Per Capita Average amount of energy a person consumed for transportation purposes in the region	BTS	3	Down
7 System Safety	7.1 Crash Rate Per Capita / VMT # of crashes per person and per vehicle mile traveled by crash severity and mode	Crash Reports/IDOT/American Community Survey	1	Down
8 Mobility for People with Disabilities	8.1 % Transit ADA % of rolling stock/stations ADA compliant	RTAMS	3	Up
	8.2 Senior and Para Transit Trips # or percent of public transit trips made by seniors and persons with disabilities	RTA	3	Up
9 Other Themes	9.1 Safe Routes to School Communities with Safe Routes to School Programs or plans	IDOT	1	Up
	9.2 Trails Plan Implementation % of regional trails plan complete	CMAP	1	Up
	9.3 Transit Access # and % of housing units considered accessible to transit based on CNT definition	CNT database	1	Up
	9.4 Emissions (pressure/threat) Annual air emissions	Tabulate IEPA Annual Air Emissions reports or use SIP info	3	Down
	9.5 ADA Transition Plan Compliance Governments with more than 50 employees must develop and implement transition plans to comply with the Americans with Disabilities Act and the Rehabilitation Act.	Survey of All Agencies and Most Municipalities	1	High Compliance Rate
	9.6 Incident Response Incident response time	OEMC/IDOT/Tollway	1	Down
	9.7 Station-Area TOD Plans Percent of rail stations with adopted transit-oriented station-area development plans that are being actively implemented	Municipal Surveys / RTA	1	Up

Proposed CMAP Regional Indicators
 (Transportation-Related)
 Version 3

10 Data Inventory	10.1 Transportation Cost <i>Transportation adjusted housing cost</i>	<i>Housing + Transportation Affordability Index (CNT)</i>	1	Down
	10.2 Average Commute Time <i>Average commute time by mode</i>	<i>American Community Survey</i>	1	Down
	10.3 Environment <i>Air pollution / quality</i>	<i>Iplan Indicator 6.01</i>	3	Down
	10.4 Municipal Evacuation Plans/Capacity <i>Established, funded department of Emergency management or preparedness at various levels of government; Per capita funds allocated and/or received for emergency/disaster planning and preparedness</i>	<i>Municipal, county and state emergency management plans</i>	2	Up