

MPO Performance Measures and Target Setting

Tejas Kotak

Senior Transportation Planner

Tkotak@atlantaregional.org

Performance Measures Timeline

Performance targets were established in MAP-21 Act (2012), and further supported in the FAST Act (2015) and recent IIJA legislation (2021) to ensure states and MPOs meeting federal goals and requirements

Target	Description	Update Schedule
PM 1	Safety	Annually
PM 2	Asset Management	Bi-annually
PM 3	System Performance/CMAQ	Bi-annually

Data is collected on an annual basis on all measures for both federal reporting and to check if states and MPOs are meeting their own targets.

PM 1 Safety Targets

Performance Criteria	2023 GDOT Target	2023 ARC Target*
Fatalities	1,680	595
Serious Injuries	1.36	2,719
Fatality Rate	8,966	0.998
Serious Injury Rate	7.679	4.557
Non-Motorized Fatalities and Serious Injuries	802	393

*Considers only crashes within the Atlanta MPO area, and applies a 5% reduction to the trendline

In accordance with guidance from the Regional Safety Strategy, ARC will support the statewide safety targets and adopt its own targets.

PM 2 Asset Management Targets

ASSET	PERFORMANCE MEASURE	2-YEAR TARGET	4-YEAR TARGET
Bridge Structures	Percent of NHS Bridge in Poor condition as a percentage of total NHS bridge deck area	≤ 10% (NHS) in Poor Condition	≤ 10% (NHS) in Poor Condition
Bridge Structures	Percent of NHS Bridges in Good condition as a percentage of total NHS bridge deck area	≥ 50% (NHS) in Good Condition	≥ 60% (NHS) in Good Condition

ASSET	PERFORMANCE MEASURE	TARGET*
Interstate NHS	Percent of Interstate NHS pavements in Poor condition	≤ 5% (NHS) in Poor Condition
Interstate NHS	Percent of Interstate NHS pavements in Good condition	≥ 50% (NHS) in Good Condition
Non-Interstate NHS	Percent of NHS pavements in Poor condition	≤ 12% (NHS) in Poor Condition
Non-Interstate NHS	Percent of NHS pavements in Good condition	≥ 40% (NHS) in Good Condition

*2-yr and 4-yr targets are the same

ARC may set its own targets or concur with the DOT targets.

Concurring and supporting state targets is in our best interest as most assets are state owned.

PM 3 System Performance/CMAQ Targets

Performance Measure	Statewide Targets		ARC Targets	
	2-year Target	4-year Target	2-year Target	4-year Target
Percent of person-miles traveled on the Interstate that are reliable	73.9%	68.4%	N/A	N/A
Percent of person-miles traveled on the non-Interstate NHS that are reliable	87.3%	85.3%	N/A	N/A
Truck Travel Time Reliability (TTTR) Index	1.62	1.65	N/A	N/A
Annual Hours of Peak Hour Excessive Delay (PHED) Per Capita*	23.7 hours	27.2 hours	N/A	27.2 hours
Percent of Non-Single Occupancy Vehicle (SOV) Travel*	22.7%	22.7%	22.7%	22.7%
NOx Reduction	510.9 kg/day	904.2 kg/day	456.0 kg/day	930.1 kg/day
VOC Reduction	157.2 kg/day	257.1 kg/day	139.2 kg/day	280.5 kg/day

ARC is required to set its own targets, and GDOT has helped us with the data management and target setting.

ARC Recommended Actions

Target	Description	Recommended Action
PM 1	Safety	Support state targets & set MPO-specific targets
PM 2	Asset Management	Concur with state targets
PM 3	System Performance/CMAQ	Support state targets & set MPO-specific targets