



MPOs: Strategies for Future Success

MPOs will be challenged to stay abreast of emerging issues and opportunities

The NAS sponsored 'Toolkit for the 21st Century' features practical techniques for a new generation of MPO challenges. The Toolkit set for 2022 publication is supplemented by an on-line Innovation Database and eight video summaries of the Information Forums.

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Metropolitan Planning Organizations: Strategies for Future Success

Next Generation	Key Features & Applications
Social Equity	A Geo-Database methodology and tool for assessing all of the infrastructure needs of a corridor across jurisdictions and programs through a shared data platform.
Financial Constraints	A standard methodology for quantifying the capacity of a wider supporting grid/connectivity architecture of a corridor for future build-out to guide right of way preservation, partnerships with land-use agencies, and corridor projects.
Inclusive Engagement	A proposed process and methodology for utilizing widely available data, GIS tools, and performance methods to benchmark freight infrastructure supply and demand in inter-city or urban environments.
Curb Space	A standard methodology for identifying the extent of a corridor's influence on land-use, transit, built environment, and the efficiency of travel in affected communities to define corridor management efforts.
New & Emerging Technologies	A practical self-assessment for corridor managers to assess the technology requirements and utilization of their corridor and set objectives for integrating emerging technologies.

MPO Strategies

Next Generation	Key Features & Applications
Changing Travel Patterns	A Geo-Database methodology and tool for assessing all of the infrastructure needs of a corridor across jurisdictions and programs through a shared data platform.
Changing Demographic Patterns	A standard methodology for quantifying the capacity of a wider supporting grid/connectivity architecture of a corridor for future build-out to guide right of way preservation, partnerships with land-use agencies, and corridor projects.
Resilience in Planning	A proposed process and methodology for utilizing widely available data, GIS tools, and performance methods to benchmark freight infrastructure supply and demand in inter-city or urban environments.
Planning for the Unknown	A standard methodology for identifying the extent of a corridor's influence on land-use, transit, built environment, and the efficiency of travel in affected communities to define corridor management efforts.
Regional Freight Issues	A practical self-assessment for corridor managers to assess the technology requirements and utilization of their corridor and set objectives for integrating emerging technologies.
Staff Retention	A GIS-based standard methodology for quantifying and illustrating the sensitivity of the bicycle and pedestrian environment as affected by corridor investments and associated land-use strategies, for both diagnostic and scenario planning purposes.
Shared Mobility	A regression-based calculator (derived from the University of Utah's national data set) to quantify marginal effects that changes in land-use, infrastructure capacity, or other variables can have on traditional measures of corridor performance (speed, safety, VMT, and delay); for testing integrated land-use and transportation or transit scenarios.

Innovation Database

The Excel database contains 108 examples of innovative responses to some of the most challenging planning issues facing metropolitan regions today. The database includes innovations and best practices from MPOs that range in size and location, with the goal of providing useful examples of planning practices applicable to any MPO in the nation.

Data includes:

- Best practices
- Key Topics and Keywords
- Description of project or process
- MPO population range
- Region
- Contact

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Let's
talk

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