

Objectives & Performance Measures

February 2023



What is the Metropolitan Transportation Plan (MTP)?

- Identifies regional transportation strategies and projects
- Long-range (20+ years)
- Fiscally constrained
- Formal document submitted to ODOT and USDOT every 4 years



Why is the MTP Important?

- **Central Ohio is growing**
 - Demographics are changing
 - Development is changing
 - Demands on the transportation system are changing
- **Transportation projects must be on MTP to be eligible for federal funding**
 - Formula & Discretionary (BIL)
 - Guides the work of MORPC and regional and local planning partners



By guiding investment in transportation and mobility infrastructure and services in Central Ohio, the MTP identifies strategies to advance the following six goals:



Create sustainable neighborhoods to improve all residents' quality of life.



Increase regional collaboration and employ innovative transportation solutions to maximize the return on public expenditures.



Position Central Ohio to attract and retain economic opportunity to prosper as a region and compete globally.



Provide transportation and mobility options to benefit the health, safety, and welfare of all people.



Protect natural resources and mitigate infrastructure vulnerabilities to maintain a healthy ecosystem and community.



Reduce per capita energy consumption and promote alternative fuel resources to increase affordability and resilience of regional energy supplies.



Objectives, Measures & Targets

- **2-4 objectives for each goal**
 - What needs to be done to achieve the goal?
 - Chosen to measure certain aspects of each goal that can be impacted through transportation or the transportation system
 - Based on data availability and measurability
- **1 or more measures for each objective**
 - How do we know if we are making progress?
- **Near- and long-term targets for each measure**
 - How much progress should we make by when?
 - 2030, 2050
- **Cite data source, applicable geography, and network**
- **Include both regional and federally required measures**



2024-2050 COLUMBUS AREA METROPOLITAN TRANSPORTATION PLAN



- **Objective:** Increase the average number of jobs reachable within 20 min and 40min via automobile, transit, cycling, and walking.
 - Average jobs reachable within 20 and 40 minutes via automobile
 - Average jobs reachable within 20 and 40 minutes via transit
 - Average jobs within 20 and 40 minutes via low to moderate stress bike network
 - Average jobs within 20 and 40 minutes via pedestrian network
- **Objective:** Minimize the percentage of total vehicle miles traveled under congested conditions.
 - Percent of travel under congested conditions (during peak hours and daily)
 - Number of Annual Hours of Peak Hour Excessive Delay Per Capita*
- **Objective:** Minimize the amount of extra, or buffer, travel time necessary when planning expected trip travel time.
 - Region-wide Uncertainty Index (during peak hours)
 - Transit on-time performance percentage
 - Travel time reliability ratio*
 - Truck Travel Time Reliability Index*



Economic
Prosperity

Development of benchmarks and establishment of targets to occur in 2023

**Federally required performance measure*

2024-2050 COLUMBUS AREA METROPOLITAN TRANSPORTATION PLAN

- **Objective:** Ensure trip travel time for disadvantaged populations is comparable or better than the average for the entire population.
 - Average trip travel time for disadvantaged populations compared to the regional average.
- **Objective:** Maintain infrastructure in a state of good repair by minimizing the percentage of bridges and pavements in poor condition and maintaining transit fleet within useful life.
 - Percent of pavements and bridge decks that are in poor and good condition*
 - Percent of transit revenue and non-revenue vehicles that exceed useful life benchmark
 - Percent of transit facilities that meet FTA benchmarks for condition
- **Objective:** Reduce the number of fatalities and serious injuries from crashes.
 - Total number of fatalities*
 - Total Number of serious injuries*
 - Number of fatalities per 100 million VMT*
 - Number of serious injuries per 100 million VMT*
 - Total number of non-motorized fatal and serious injuries*

Development of benchmarks and establishment of targets to occur in 2023

**Federally required performance measure*



Health, Safety &
Welfare



- **Objective:** Encourage and support MORPC member communities to adopt complete streets policies or policies that contain those elements.
 - Percent of MORPC member communities that have adopted complete streets policies or policies that contain those elements.
- **Objective:** Increase the amount of interconnected bicycle and pedestrian infrastructure.
 - Miles of low-to-moderate stress bikeways
 - Percent of arterials and collectors within urbanized area that have pedestrian facilities (sidewalk or MUP)
 - Number of gaps in the low-to-moderate stress bike network
- **Objective:** Target infrastructure development to serve a higher number of people and jobs.
 - Percent of total and disadvantaged population and jobs within 1/2 mile of arterial or collector roadway, transit stop, high-capacity transit stop, low to moderate stress bikeway



Sustainable
Neighborhoods

Development of benchmarks and establishment of targets to occur in 2023

**Federally required performance measure*

2024-2050 COLUMBUS AREA METROPOLITAN TRANSPORTATION PLAN



- **Objective:** Maximize the amount of non-regional transportation dollars (i.e., federal discretionary programs) utilized on regional transportation projects.
 - Percent of funding from non-regional sources.
- **Objective:** Increase the number of projects utilizing innovative initiatives on functionally classified Principal Arterials and above
 - Number/percent of projects utilized innovative initiatives
- **Objective:** Increase the percentage of functionally classified Minor Arterials and above facilities employing coordinated Intelligent Transportation System (ITS) technologies and increase the mileage of facilities with vehicle to infrastructure communication capabilities.
 - Percent of mileage that utilizes coordinated ITS technologies
 - Percent of network that incorporates digital infrastructure
- **Objective:** Increase the number of transit vehicles and facilities with surveillance capabilities and increase the miles of functionally classified Principal Arterials and above with video surveillance.
 - Percent of transit vehicles and facilities with surveillance capabilities
 - Percent of functionally classified Principal Arterials and above with video surveillance
- **Objective:** Encourage and support MORPC member communities to adopt Smart Streets policies or policies that contain those elements.
 - Percent of MORPC member communities that have adopted smart streets policies or policies that contain those elements.



Development of benchmarks and establishment of targets to occur in 2023

**Federally required performance measure*



- **Objective:** Reduce the percentage of commuters driving alone, and increase the percentage of commuters riding transit, bicycle, or walking.
 - Percent of commuters that drive alone*
 - Percent of commuters that ride transit, bicycle, or walk
- **Objective:** Reduce vehicle miles traveled (VMT) per capita.
 - VMT per capita
- **Objective:** Increase the percentage of vehicles using alternative fuels.
 - Percent of registered vehicles that use alternative fuels
 - Percent of registered vehicles that are electric vehicles
- **Objective:** Increase the number of alternative fuel stations.
 - Number of electric vehicle charging stations
 - Number of other alternative fuel stations



Development of benchmarks and establishment of targets to occur in 2023

**Federally required performance measure*



- **Objective:** Reduce emissions from mobile sources to continuously meet EPA air quality standards for each criteria pollutant.
 - Ozone Attainment Status
 - PM2.5 Attainment Status
- **Objective:** Maintain the condition of critical transportation infrastructure to enhance the resiliency of the transportation system.
 - Amount of resilient regional infrastructure.



Development of benchmarks and establishment of targets to occur in 2023

**Federally required performance measure*



Upcoming 2023 Milestones:

- **2050 Population and Employment Forecasts**
 - Where will people live and work in 2050?
 - County-wide Control Totals
 - Distribute to Traffic Analysis Zones
- **Compile Candidate Projects**
 - Review local, state, regional plans
 - Publish interactive webmap for project suggestions
- **Develop Project Evaluation Criteria**
 - Based on objectives and performance measures
 - Which projects will best advance goals?



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