



DRAFT STRATEGIES

The Metropolitan Transportation Plan (MTP) is based on six regional goals. Objectives and performance measures have been identified for *tracking progress* in achieving the goals. The strategies listed below are the *action items* that will move the region forward in advancing the goals.

Because these strategies are generally applicable to the advancement of all six of the established goals, they are organized into three categories based on how they apply to the transportation system:

- **System Management** strategies identify action items to maintain and manage the existing transportation system efficiently. These system management strategies are further organized into Physical Preservation, Operations, Safety, Security, and Demand Management activities.
- **System Development** strategies apply to the expansion of the transportation system and address the various modal systems and infrastructure development.
- **Transportation System-Related** strategies include action items that don't relate specifically to system management or development, but rather region-wide collaboration, decision-making, and investment that can impact and/or be impacted by the region's transportation system.

These strategies are intended to be fulfilled by MORPC *and* other regional and local planning partners. The full MTP document will include discussion with regard to each strategy, including the approach to improving the transportation system starting with 1) physical preservation; 2) operating it efficiently; 3) making it safe and secure; 4) reducing demand for travel; and 5) expanding the system through pedestrian infrastructure, bike infrastructure, transit infrastructure and service, intermodal connections and finally additional roadway infrastructure.



Draft System Management Strategies

Physical Preservation

- Repair or replace bridges in poor physical condition
- Repave or reconstruct roads in poor physical condition
- Repave or reconstruct sidewalks and bikeways in poor physical condition
- Replace transit vehicles that are beyond their useful life
- Repair or replace transit facilities in poor physical condition
- Utilize advanced material and techniques to maximize life of transportation system components
- Continue to evolve consistent data collection and analysis procedures to rate the physical condition of the transportation system components

Operations

- Collect, develop, and maintain data on roadway, transit, bike and pedestrian conditions and other modes and share the data and information through technology.
- Broaden the existing transportation system managed in a coordinated manner through Intelligent Transportation System technologies
- Implement managed lanes along additional freeway corridors
- Apply access management along arterial and collector corridors
- Improve connections and coordination among transit system operators
- Expand signal priority along additional roadway corridors for transit and emergency vehicles
- Improve demand response transit service
- Manage, improve and coordinate human service, private and public transportation, to better meet the needs and fill the gaps
- Implement vehicle to infrastructure and vehicle to vehicle communications
- Modify existing roadway lane configurations, where appropriate, to improve safety for all users



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- Implement curbside management to facilitate package delivery and mobility as a service pick-up and drop-off while minimizing impact on transportation system operations
- Facilitate multi-jurisdictional dialogue to improve opportunities for collaboration

Safety

- Collect, develop, maintain, and analyze crash data to identify regional safety emphasis areas and priority safety locations, with an emphasis on eliminating fatal and serious injury crashes
- Collect, develop, maintain, and analyze data on transit safety
- Implement countermeasures that address priority safety locations with an emphasis on fatal and serious injury crashes
- Implement countermeasures that address transit safety issues
- Advance educational initiatives that address regional safety emphasis areas with an emphasis on eliminating fatal and serious injury crashes
- Advance legislative initiatives that address regional safety emphasis areas

Security

- Promote and strengthen security, including response and recovery plans for cyber security
- Promote and strengthen emergency preparedness efforts
- Collect, develop and maintain data and information to improve decision making
- Facilitate multi-jurisdictional dialogue to improve opportunities for collaboration



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Demand Management

- Collect, develop, and maintain data on roadway, transit, bike and pedestrian conditions and other modes and share the data and information through technology
- Collect, develop, maintain and analyze travel demand data to identify opportunities to provide appropriate mobility options
- Collaborate on development strategies and regulations to support mobility options
- Educate and market travel demand management (TDM) programs to increase use of transit, ride-share, bicycling, and walking
- Create travel demand management (TDM) partnerships among the facilitators and providers of all modes of transportation, community leaders, and institutions that make up high-density trip generating districts
- Make neighborhoods safely walkable, bikeable, and accessible by transit through non-infrastructure projects and programs
- Facilitate multi-jurisdictional dialogue to improve opportunities for collaboration



Draft System Development Strategies

Bike and Pedestrian Infrastructure

- Collaborate on development strategies and regulations to implement safe and comfortable infrastructure for walking and bicycling
- Increase the quantity and quality of volume and travel behavior data on people walking, bicycling, and using similar modes of transportation
- Build safe and comfortable infrastructure for walking and bicycling
- Implement the Central Ohio Greenways trail vision
- Implement and update the Active Transportation Plan to create safe and comfortable infrastructure for walking and bicycling
- Make neighborhoods walkable and bikeable through infrastructure projects that fill gaps and increase connectivity of safe and comfortable facilities for walking and bicycling
- Ensure neighborhoods and activity centers have safe and comfortable connections for walking and bicycling to transit networks
- Facilitate multi-jurisdictional dialogue to improve opportunities through collaboration

Transit Infrastructure

- Collaborate to build transit infrastructure through development regulations
- Increase frequency on appropriate fixed route transit routes
- Implement high-capacity, rapid transit service along additional corridors
- Expand geographic coverage of fixed route transit service
- Implement appropriate additional/innovative service to address first/last mile needs
- Make neighborhoods transit supportive through infrastructure projects
- Facilitate multi-jurisdictional dialogue to improve opportunities for collaboration



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Freight Rail Infrastructure

- Improve at-grade rail crossings and close or grade-separate crossings where feasible
- Address congestion points “bottlenecks” on the rail system
- Collect information on and analyze freight activity to identify developing trends and work to disseminate that information among partners and peers
- Maximize the efficiency and provide needed capacity of rail terminals
- Implement hyperloop technology for freight movement
- Make transportation decisions that positively impact freight movements and maximize the effectiveness of the region's integrated freight transportation system
- Facilitate multi-jurisdictional dialogue to improve opportunities for collaboration

Multimodal Infrastructure Connections

- Forge public/private partnerships to provide resources to maintain and expand key linkages between air, rail and roadway transportation modes
- Maximize efficiency of existing transit terminals and construct new transit terminals, mobility centers and park and rides with safe bike, pedestrian, and vehicle access where there is a convergence of transit routes or intercity rapid speed transportation modes
- Incorporate vehicle sharing needs at transit terminals, stations and major stops
- Improve transit, bike and pedestrian connections to airports
- Alleviate existing or anticipated congestion at roadway and rail terminal access areas
- Alleviate existing or anticipated congestion at roadway and air terminal access areas
- Incorporate ground needs for flying intraregional transport such as drones for package delivery and personal transport
- Facilitate multi-jurisdictional dialogue to improve opportunities for collaboration



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Roadway Infrastructure

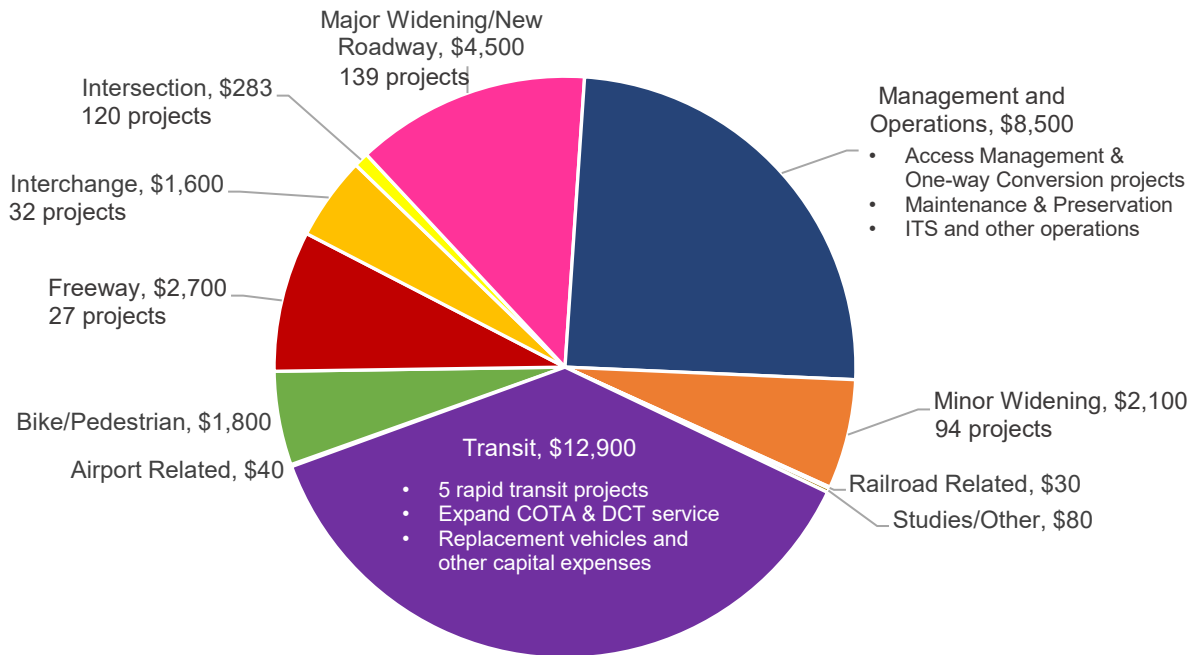
- Add capacity, where appropriate, to alleviate existing or anticipated congestion along existing freeways and at interchanges
- Continue conversion of key divided expressways into limited access freeways
- Construct new interchanges, where appropriate, to alleviate congestion or support regional development goals
- Add capacity, where appropriate, to alleviate existing congestion that hinders economic activity along existing arterial and collector corridors
- Add capacity, where appropriate, at locations such as intersections to alleviate existing congestion that hinders economic activity
- Construct new roadways, where appropriate, to alleviate congestion or support regional or local development goals
- Provide efficient connectivity of local roads to the arterial and collector roadway system
- Facilitate multi-jurisdictional dialogue to improve opportunities for collaboration

To carry out the system development strategies, a draft list of priority infrastructure projects has also been identified. The candidate projects were identified through local, state, and regional planning processes, as well as public suggestions. The projects were evaluated using quantitative criteria and qualitative stakeholder and public engagement to determine which projects best advance the established regional goals and objectives. The draft priority infrastructure projects are also available for review and comment and include nearly \$35 billion of priority multimodal projects as summarized in the chart.



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MTP Draft Projects by Type and Cost (in millions)



Draft Transportation and System-Related Strategies

- Collaborate to ensure localized and regional transportation systems needs are addressed in development decisions
- Develop transportation system to serve all demographic population groups
- Create plans and partnerships to attract investment in alternative fuel vehicles and infrastructure
- Implement best management practices for storm water runoff and implementation of green infrastructure