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.

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 transit signal priority along additional roadway corridors
- 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 lane configurations of roadways, where appropriate, to safely match vehicle, transit, bike and pedestrian demand
- 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 and identify regional safety emphasis areas and priority safety locations.
- Collect, develop, maintain, and analyze data on transit safety
- Implement countermeasures that address priority safety locations.
- Implement countermeasures that address transit safety issues.
- Advance educational initiatives that address regional safety emphasis areas.
- Advance legislative initiatives that address regional safety emphasis areas.

Security

- Promote and strengthen security, including 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.

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 to reduce the need for vehicle travel through development regulations.
- 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.

SYSTEM DEVELOPMENT STRATEGIES

Bike and Pedestrian Infrastructure

- Collaborate to build high comfort bicycle and pedestrian infrastructure through development regulations.
- Increase the quantity and quality of data on bicycle, pedestrian, and similar modes travel behavior.
- Expand high comfort bicycle and pedestrian networks through the implementation of complete streets.
- Implement the Central Ohio Greenways trail vision
- Update the Active Transportation Plan and implement it to create high comfort regional pedestrian and bicycle transportation networks.
- Make neighborhoods walkable and bikeable through infrastructure projects that fill gaps in the high comfort pedestrian and bicycle networks.
- Ensure neighborhoods and employment locations have high comfort connections for pedestrians and bicyclists to the regional pedestrian, bicycle and 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 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.

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.

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 or anticipated congestion along existing arterial and collector corridors.
- Add capacity, where appropriate, at locations such as intersections to alleviate existing or anticipated congestion.
- 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.

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.