



MTP 2050 TRANSPORTATION GOALS

SAFETY

Our transportation system provides safe travel for all users

ACCESS & EQUITY

Our transportation system provides affordable, equitable transportation options

RESILIENCY

Our transportation system is resilient and well maintained

QUALITY OF LIFE

Our transportation system supports vibrant neighborhoods and resident vitality

ECONOMIC DEVELOPMENT

Our transportation system supports economic vitality and competitiveness by reliably moving people and goods

SUSTAINABILITY

Our transportation system is sustainable and does not significantly contribute to climate change

OBJECTIVES: Safety

Safe travel for all users



- **Eliminate** serious injuries and fatalities on our roadways by 2050
- **Implement** the FHWA Safe Systems approach in roadway design and transportation investment
- **Create** a network of Complete Streets that provide safe, comfortable travel for all users
- **Implement** projects and design features that reduce vehicular speeds and conflict points
- **Provide** bicycle and pedestrian facilities on all collector and arterial roads
- **Modernize** rural roads within urbanized areas and upgrade safety features along rural roads leading to urbanized areas
- **Foster** compliance with the rules of the road and respect between all roadway users

FROM THE SURVEY

Top three solutions from the survey >

- 1. Add more sidewalks**
- 2. make crosswalks/intersections safer**
- 3. add multiuse trails**

Some strategies for SAFETY:

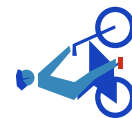
- + **Expand and support implementation of public education, awareness and enforcement campaigns**
- + **Create a multi-disciplinary committee or work group to implement and track progress of safety projects and initiatives**

Access & Equity objectives

Affordable, equitable options for all



- **Ensure** residents for not spend more than 40% of their income on housing and transportation
- **Provide** access to jobs, education, goods, and services without disparity
- **Increase** access to quality transit
- **Increase** frequency of transit service
- **Reduce** travel times for transit users
- **Provide** well-connected streets, sidewalks, and bikeways



FROM THE SURVEY

89% survey respondents totally agree or somewhat agree with "I want easier access to transit service."

Some strategies for ACCESS & EQUITY:

- + **Coordinate bike/walk/transit projects with affordable housing strategies**
- + **Identify, prioritize and fund opportunities to increase transit service frequency on arterial roadways**

Resiliency objectives

Resilient, well-maintained transportation choices



- **Maintain** transportation infrastructure and public transit vehicles in a state of good repair
- **Maximize** efficiency of existing infrastructure
- **Provide** redundant infrastructure for all modes to increase system resiliency
- **Ensure** system is responsive to public needs and desires, and to regional and national trends

FROM THE SURVEY

Building 35 miles of buffered bike lanes

=

#1 choice for spending \$10 million



Some strategies for RESILIENCY:

- + **Fund more technology projects for better real time assessment of traffic conditions and for sharing information to travelers**
- + **Identify future vulnerabilities/threats to the transportation system; provide recommendations to ensure continued operation of roadways**

Quality of Life objectives

Vibrant neighborhoods, vitality for all residents

- **Ensure** transportation projects enhance community life
- **Ensure** transportation projects are respectful of historic, natural, and cultural resources
- **Invest** in projects that increase walkability and the connectedness of our neighborhoods
- **Prioritize** slower speeds in pedestrian activity areas
- **Provide** a system that contributes to the health and wellness of our neighborhoods



FROM THE SURVEY

Top three options people want on a given day >

- Drive (28%)**
- Walk (25%)**
- Bike (20%)**

Some strategies for QUALITY of LIFE:

- ✚ **Develop a thorough review process for evaluating designs to achieve Complete Streets and community goals**
- ✚ **Include evaluation of landscaping, public art, streetscapes, and other cultural or historic resources in project assessment**

Economic Development objectives

Economic support, reliable movement of goods & people



- **Maintain** or improve truck travel time reliability on Interstates
 - **Improve** freight connectivity to the interstate and parkway system and to major freight destinations
- **Maintain** or improve vehicular travel time reliability on arterial roadways and Interstates
- **Maintain** or improve transit travel time reliability and on-time performance for fixed route and paratransit services
- **Provide** a high quality multimodal system that supports and attracts businesses and a talented workforce



FROM THE SURVEY

80% survey respondents **totally agree** with "I want improved accessibility around my community."

Some strategies for ECON. DEVELOPMENT:

- + Identify opportunities to combine federal and MPO funds with other public or private sector resources
- + Coordinate with intercity transportation providers to improve regional connections from Lexington & Jessamine County to other parts of Kentucky and the US

Sustainability objectives

Sustainable transportation that doesn't contribute to climate change



- **Achieve** net zero carbon emissions from the transportation sector by 2050
- **Invest** in projects that support compact development and mixed land uses
- **Reduce** vehicle miles of travel per capita
- **Reduce** single occupancy vehicle use
- **Increase** mode share for bicycling, walking, and public transit
- **Reduce** transportation sector air quality pollutants
- **Increase** electric vehicle charging and alternative fuels infrastructure

FROM THE SURVEY

OPPORTUNITY ALERT

People think we are doing the least well when it comes to providing options for traveling without a car

Some strategies for SUSTAINABILITY:

- + **Coordinate with and support local agencies on land use policy to encourage compact urban design and update development regulations**
- + **Assess regional needs for electric vehicle and alternative fuels; develop an action plan to implement recommendations**

What's next?

This strategic vision for improving transportation in the Lexington area is critical, but the MTP 2050 also includes a multi-year list of prioritized projects. This project list is compiled using the goals, objectives, strategies - each project gets evaluated on how well it addresses each goal. The project list also has to include "fiscal constraint." This means any project included in the MTP 2050 must have a reasonable source of funding identified for it. This ensures the MTP 2050 is something the MPO and our local area can really act on in the coming years. The project scoring criteria, and some examples of high-scoring projects for each goal, are listed below. For the full list of projects, please see the full MTP 2050.



Scoring Criteria & Example Projects

SAFETY - project score criteria

What is the crash history in the location and how well will the project improve safety conditions?

Ex. **Location:** N Broadway, between 6th and Northland Drive
Type: Modernize Roadway

This project includes redesigning intersections, adding a raised median for crossing, and narrowing lanes to reduce speeds.

ACCESS & EQUITY - project score criteria

How well does the project address barriers? Will it improve biking/walking/transit in the greatest areas of need?

Ex. **Location:** E New Circle, Bryan Station Road to Eastland
Type: Modernize Roadway

This project improves intersections using R-CUT design, and adds a shared use path on both sides for easier, more comfortable bike/walk access.

RESILIENCY - project score criteria

How well does the project reduce vulnerability? What does it do to ensure a well-maintained, efficient system?

Ex. **Location:** Armstrong Mill, between Appian Way and Squires Hill Lane

Type: Construct New Shared-Use Path

This project expands fuel-independent mobility options and encourages non-motorized travel.

QUALITY OF LIFE - project score criteria

How well does the project reduce vulnerability? What does it do to ensure a well-maintained, efficient system?

Ex. **Location:** East Lex Trail, Walton Ave to Liberty Road
Type: Modernize Roadway

This project builds on East Lex Trail Study, adding bike/walk access along Cramer, Owsley, Menifee & Henry Clay.

SUSTAINABILITY - project score criteria

How well does the project advance sustainability goals, and/or mitigate environmental impact?

Ex. **Location:** W High Street, S Broadway to Oliver Lewis Way
Type: Road Diet

This project reduces pervious surface and emmissions by narrowing lanes; it also enhances bikability through buffered bike lanes that encourage non-motorized travel.

ECONOMIC DEVELOPMENT - project score criteria

Does the project support employment in our area? What is its expected impact on the flow of goods and people?

Ex. **Location:** Hamburg Connector, Polo Club Blvd to Sir Barton Way

Type: New Roadway

This project provides much-needed connectivity between residential areas, healthcare, and local shopping centers.