



2016-2040 Columbus Area
Metropolitan Transportation Plan



FINAL PLAN
MAY 2016



WHAT ARE WE ASKING OF YOU?

Respectfully request that Resolution T-8-16, Adopting the 2016-2040 Metropolitan Transportation Plan, be considered for approval

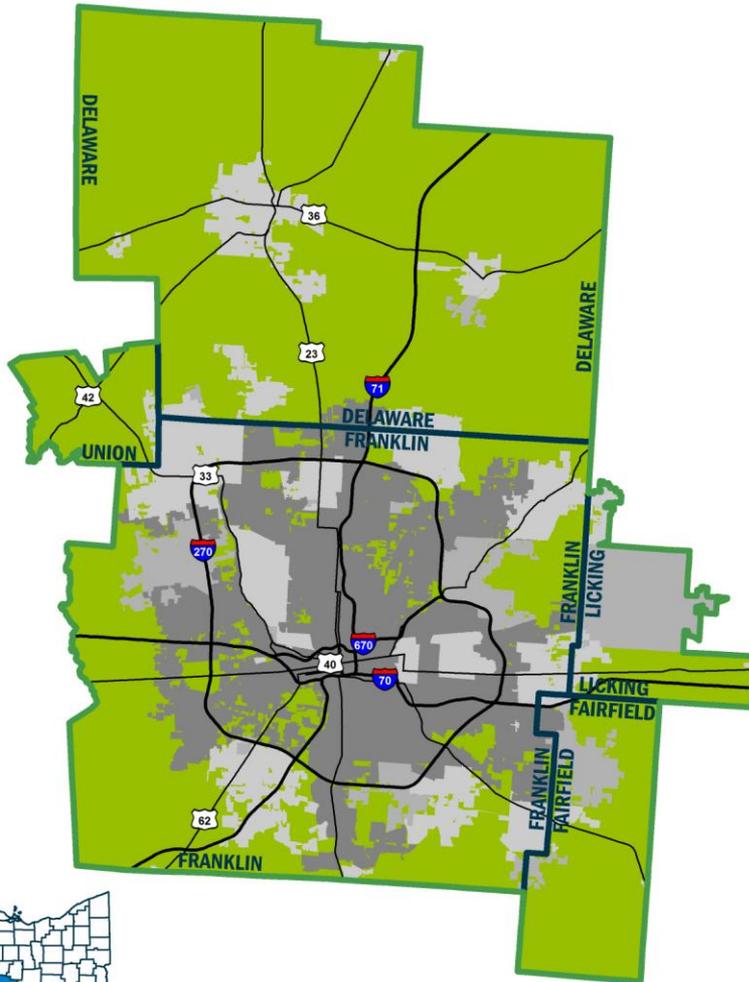


WHAT IS THE 2016-2040 METROPOLITAN TRANSPORTATION PLAN?

- Plan that sets the regional transportation priorities
- Long-range (20+ years), fiscally constrained, prioritizes strategies and projects, examines impacts to air quality
- Formal document submitted to ODOT and Federal Highway on a 4-year cycle
- Implemented through Transportation Improvement Program (TIP), local Capital Improvement Programs (CIP)



MORPC MPO Area



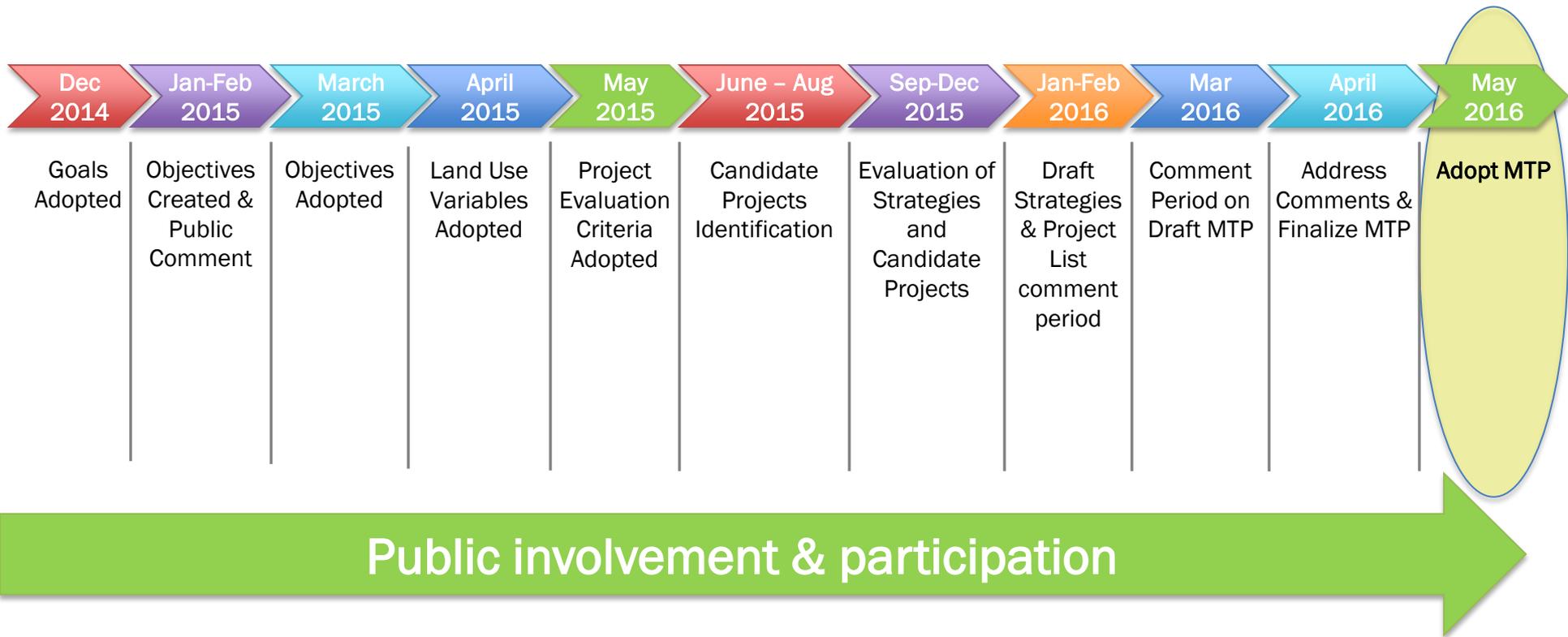
May 2016



The 2016
Metropolitan
Transportation
Plan includes
only communities
within the official
MPO boundary.



PLAN DEVELOPMENT TIMELINE

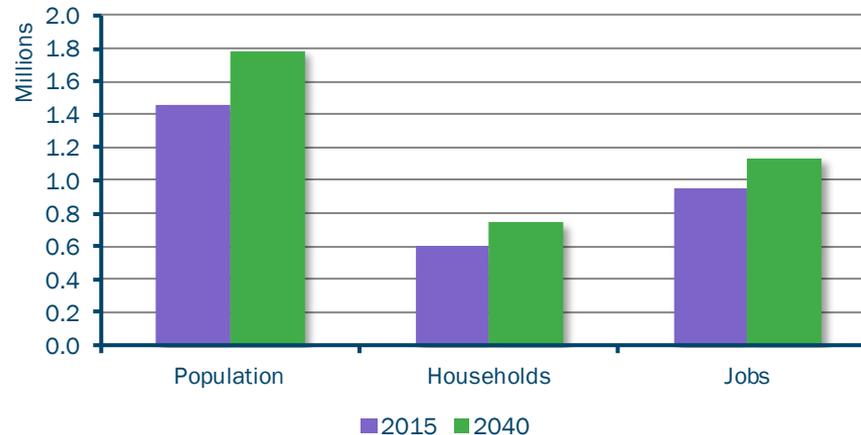




REGIONAL TRENDS

- By 2040:
 - 333,000 more people (23% growth)
 - 150,000 new households (26% increase)
 - 185,000 new jobs (19% increase)
- Changing market demands and demographics

Population, Households and Jobs in the MPO: 2015
and 2040





COORDINATION

- Local plans and documents along with
- COTA



- City of Columbus





THE TRANSPORTATION SYSTEM

- Roadways
 - MTP focuses on the **5,560 lane miles** of roadways classified as collector and above
- Transit
 - COTA
 - DATABus
 - Licking County Transit Board (LCTB)
 - Lancaster Public Transit System (LPTS)
 - **19 million** fixed-route passenger trips (2015)
- Bicycle & Pedestrian
 - **580 miles** of existing bikeways
 - **36%** of arterials and collectors have sidewalk coverage
- Intermodal Freight & Aviation
 - In 2014, the region exported **\$6.2 billion** in goods



ADOPTED GOALS

Through transportation:

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

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

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

Create **sustainable neighborhoods** to improve residents' quality of life

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

Use public investments to benefit the **health, safety, and welfare** of people



OBJECTIVES & TARGETS

- Specific
Measurable
Attainable
Relevant
Time-specific
- Two to Four objectives for each goal
 - 18 total objectives
 - Rationale, Benchmark, Targets



STRATEGIES & PROJECTS

Strategy	Related Goals
Collaborate to reduce the need for vehicle travel through development regulations.	
Create travel demand management (TDM) partnerships among the facilitators and providers of alternative modes of transportation, community leaders, and institutions that make up high-density trip-generating districts.	
Improve marketing of regional travel demand management (TDM) programs to increase use of transit, rideshare, bicycling, and walking.	
Create plans and partnerships to attract investment in alternative fuel vehicles and infrastructure.	
Alleviate existing or anticipated congestion.	
Improve employee and customer access to businesses through infrastructure and outreach.	
Improve fixed-route and demand-response transit service.	
Improve connections and coordination among transit system operators and other modes of transportation.	
Support efforts to introduce fixed-guideway transit service.	
Collect information on and analyze freight activity to identify developing trends, and work to disseminate that information among partners and peers.	
Forge public/private partnerships to provide resources to maintain and expand key linkages among air, rail and roadway transportation modes.	
Make transportation decisions that positively impact freight movements and maximize the effectiveness of the region's integrated freight transportation system.	
Make neighborhoods walkable, bikeable, and accessible by transit through both infrastructure and noninfrastructure projects and programs.	
Increase the quantity and quality of data on bicycle and pedestrian travel behavior.	





SYSTEM MANAGEMENT

- Maintenance & Preservation
 - Estimated **\$6.6 billion** through 2040
- Intelligent Transportation Systems
- Safety
- Security
- Monitored through Performance Measures & Targets



DEMAND MANAGEMENT

- Promoting alternatives to driving alone
 - Carpool
 - Vanpool
 - Transit
 - Bike
 - Walk
 - Telecommute
 - Alternative Work Schedule

MEASURABLE OBJECTIVE

The MTP targets a 7% reduction in commuters driving alone, from 82% to 75% by 2040.

MEASURABLE OBJECTIVE

The MTP targets a 30% reduction in VMT per capita from 9,700 to 6,800 by 2040.



SYSTEM DEVELOPMENT

- Roadway Projects
 - Add approximately **102 lane miles** of freeways
 - Modify **16** freeway interchanges
 - Build **4** new freeway interchanges
 - **79** new arterial or collector roadway segments, totaling **82** miles
 - Lane additions on **42** segments of roadway, totaling **66** miles
 - Minor widening/safety improvements on **65** segments of roadway
 - Funding for isolated intersection improvements not specifically listed
- Transit
 - **11% increase** in fixed-route transit service hours
 - Construction of **CMAX Bus Rapid Transit line**
 - **19** High-Capacity Corridors for further study



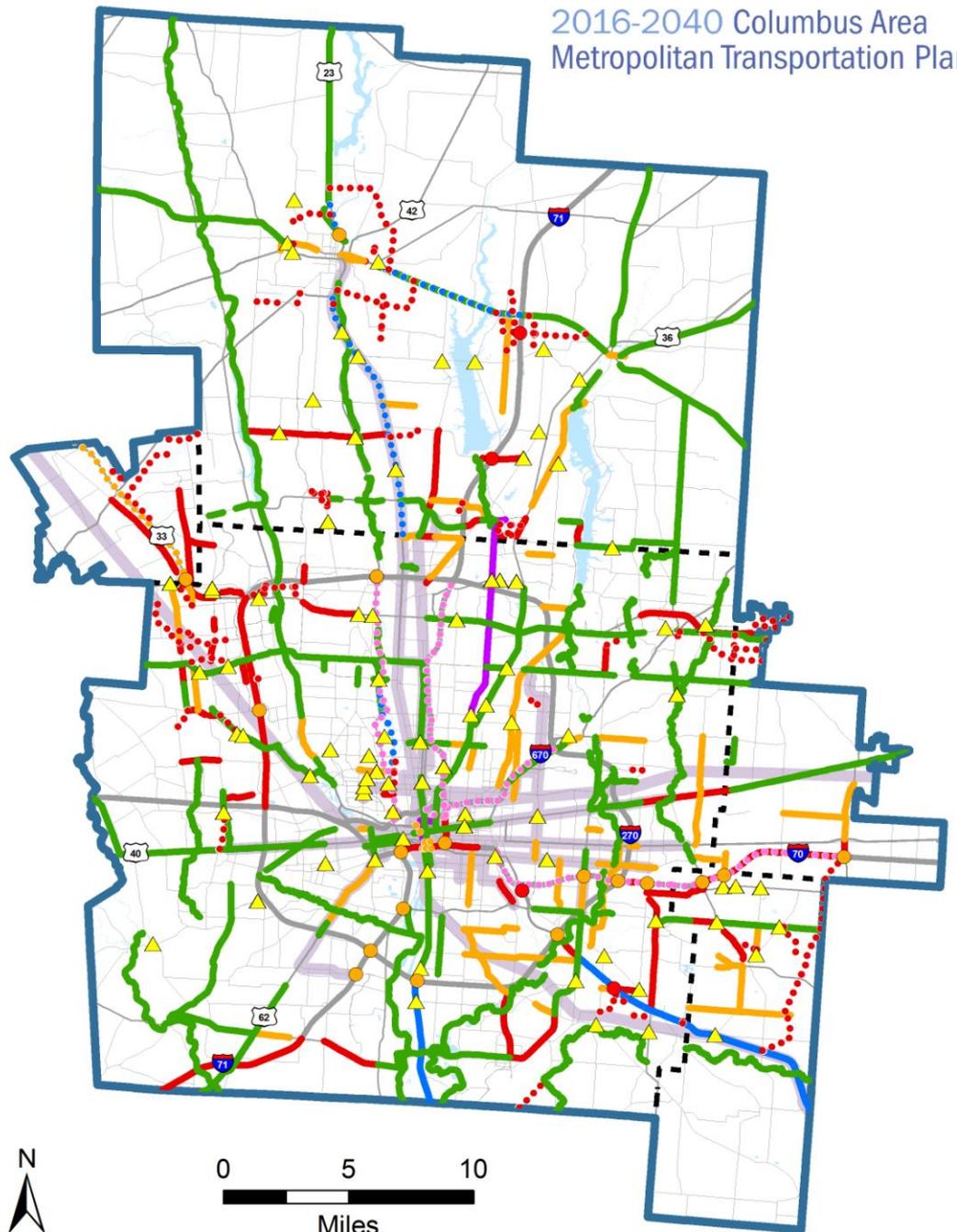
SYSTEM DEVELOPMENT

- Bicycle & Pedestrian Projects focused on Regional Active Transportation Plan and Central Ohio Greenways corridors
 - 234 miles of off-road multi-use paths
 - 42 miles of bike lanes or wide shoulders
 - 9 miles of new sidewalks
 - 92 miles of TBD bike/ped facilities
 - Funding for other stand-alone bike/ped projects not specifically listed
- Improvements to intermodal yards, access roads (railroad and airport-related)
- Various Intelligent Transportation System activities
- Planning studies



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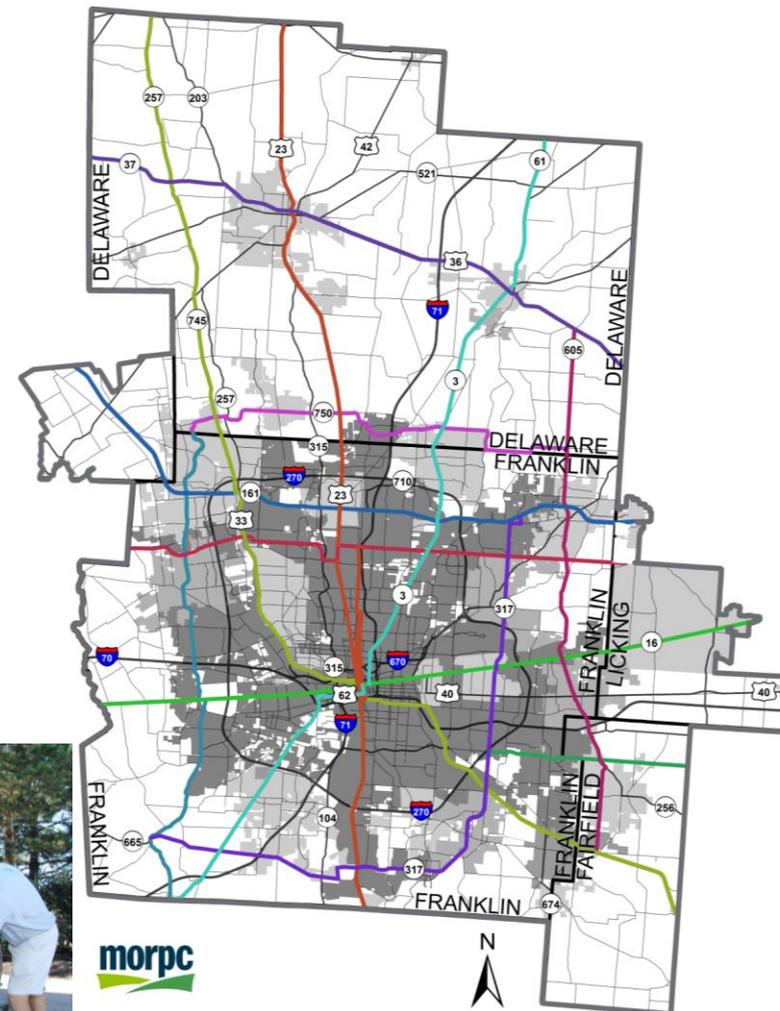
- New Interchange
- Interchange Upgrade
- ▲ Intersection Improvement
- Access Management
- Bike/Pedestrian
- Convert to Freeway
- Management and Operations
- Lane Management
- Major Widening
- Minor Widening
- New Roadway
- High Capacity Transit
- Corridor under study for high capacity transit
- Transportation Planning Area
- - - County Boundary





ACTIVE TRANSPORTATION PLAN

- Goal: People can safely and easily walk, bike, and use transit
- Focuses on 12 corridors
- Collaborative and cross-jurisdictional
- Tools:
 - [Story Map](http://morpc.org/atp) - morpc.org/atp
 - Cost Estimator

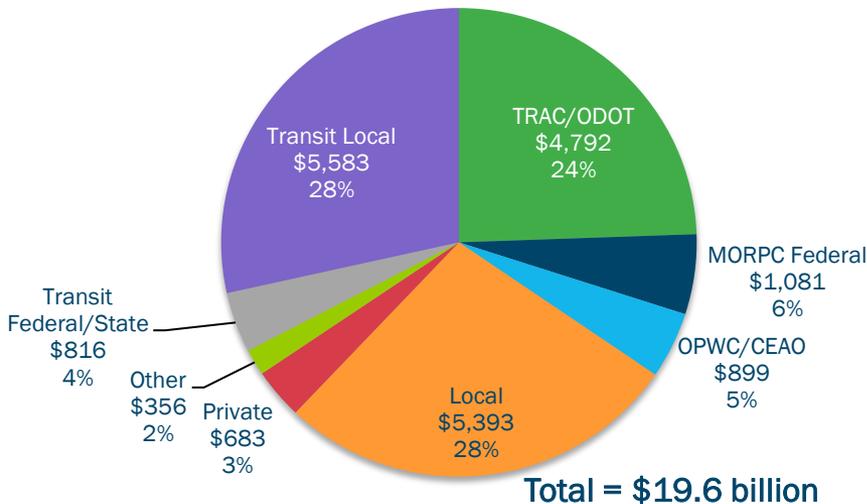




FISCAL CONSTRAINT

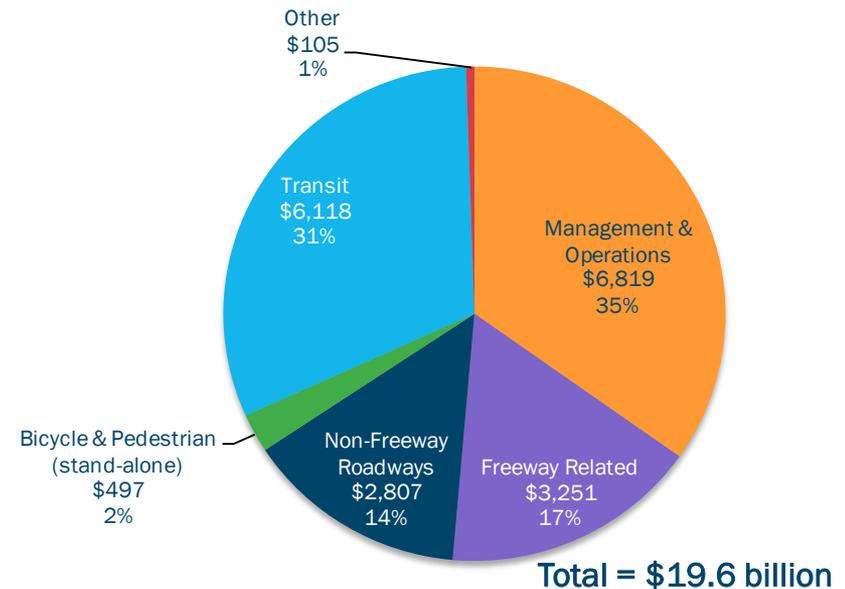
- The MTP cannot include more projects and strategies than can be funded with the forecasted revenues.
- Revenue Forecast through 2040 – Federal, State, Local, Private

Revenues Expected by 2040 by Source (in millions)



May 2016

Funding Uses (in millions)





PUBLIC OUTREACH

- 9 Newsletter Volumes
- Interactive Webmap - nearly 1,000 comments received!
- 43 presentations to community and neighborhood groups
- Calls, emails, letters
- Regular updates to CAC, TAC, Policy Committees



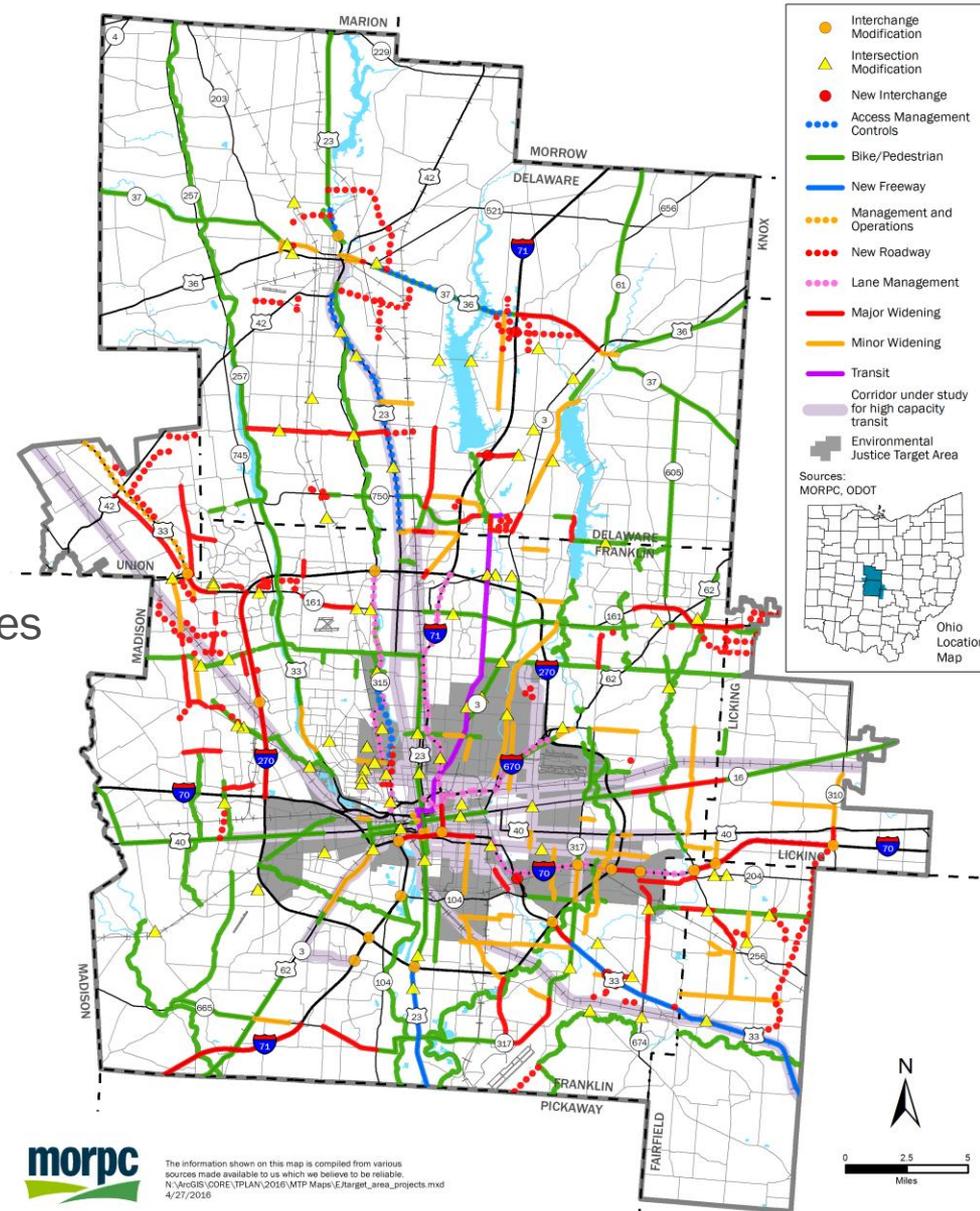
PROJECT CHANGES FROM DRAFT PLAN

- 7 additional roadway projects
- 3 additional high-capacity transit corridors
- Timeframe changes of several projects
- 3 projects removed (under construction)



IMPACT SUMMARY

- Environmental Justice
- Air Quality Conformity
- Environmental Mitigation
- Details in Technical Appendices





NEXT STEPS

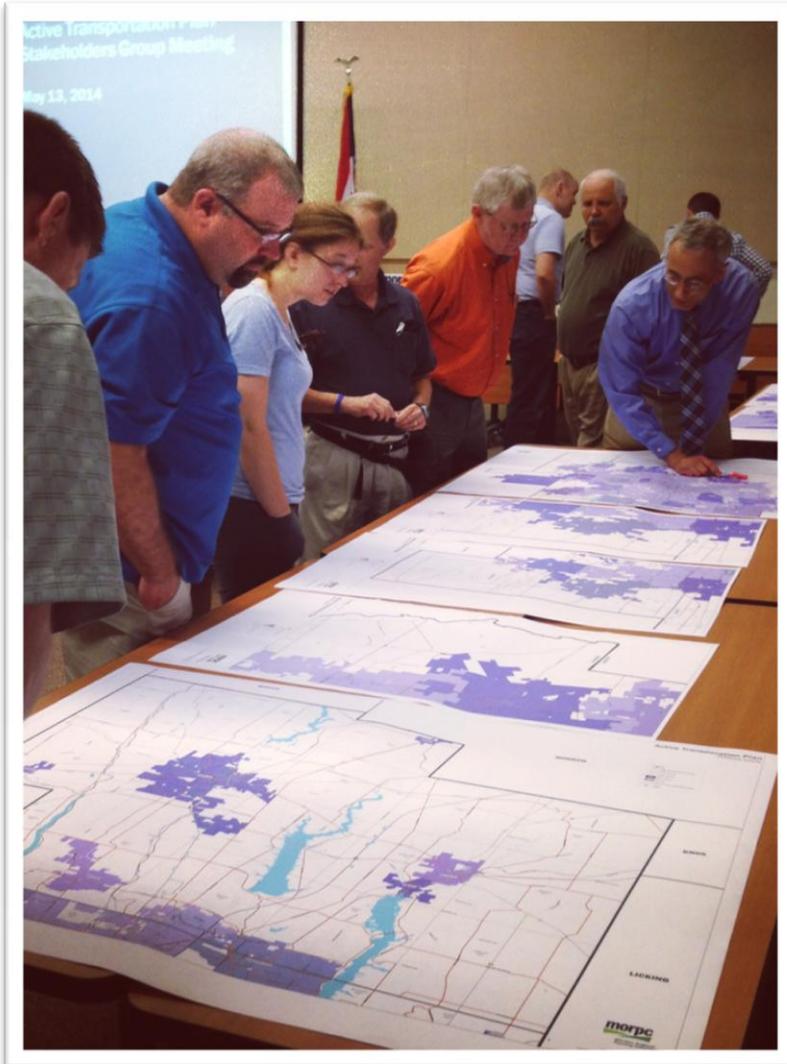
- Approval by ODOT, FHWA, FTA
- Monitoring and implementation



PLAN MONITORING & IMPLEMENTATION

- Measurable Objectives and Targets reported in annual Report Card





THANK YOU!

May 2016