



2016-2040 Columbus Area
Metropolitan Transportation Plan



**PROJECT EVALUATION
PROCESS AND CRITERIA**

APRIL 2015

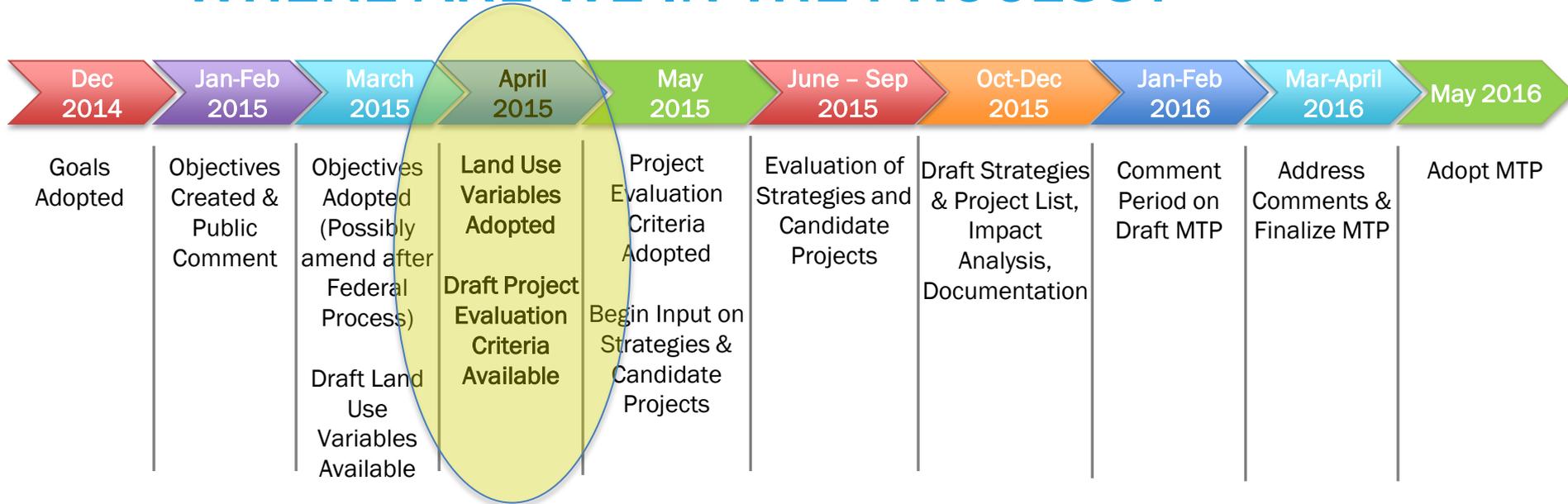


WHAT ARE WE ASKING OF YOU TODAY?

- Review proposed project evaluation process and criteria
- No action required



WHERE ARE WE IN THE PROCESS?





MTP GOALS

- Six Broad statements to guide the transportation system for the region

MTP OBJECTIVES

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

LAND USE FORECASTS

- Key to identifying the transportation needs for the region



EVALUATION PROCESS

- Categorize each project by type
- Develop data for each candidate project
 - Mix of quantitative and qualitative data
- Subjectively score each project with how the project is expected to advance each goal relative to other projects in the category
- Include brief rationale for each goal score

Evaluation process is just a tool in the planning process to gauge the impact the project will have in advancing the MTP goals and objectives



SO WHAT IS THE DATA – I.E. CRITERIA

- Organized by Goal
- Two to eight items per goal
- Quantitative data from GIS or modeling techniques
- Qualitative statements based on project knowledge or information provided by stakeholders
- To the extent possible, measure the projects' likely impact to meeting the measurable objective



CRITERIA DETAILS

Goal: Position central Ohio to attract and retain economic opportunity to prosper as a region and compete globally

Objectives:

- Increase the average number of jobs reachable within 20 minutes via automobile and within 40 minutes via transit
- Minimize the percentage of total vehicle miles traveled under congested conditions
- Minimize the amount of extra, or buffer, travel time necessary when planning expected trip travel time

Project Evaluation Criteria:

- Reduction in congested VMT in project corridor
- Average peak travel delay reduction per project user
- Existing peak period travel uncertainty in project corridor
- Qualitative statement as to the project's proximity to existing development sites, key freight areas and overall impact to regional job growth



CRITERIA DETAILS

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

Objectives:

- Reduce emissions from mobile sources to continuously meet EPA air quality standards for each criteria pollutant
- Decrease the locations of freeway and expressway facilities that are at risk for flooding

Project Evaluation Criteria:

- **Reduction in VOC, NOx and PM2.5 emissions**
- **Qualitative assessment of projects impact on known flooding problems**



CRITERIA DETAILS

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

Objectives:

- Reduce vehicle miles traveled (VMT) per capita
- Reduce the percentage of commuters driving alone, and increase the percentage of commuters riding transit, bicycle, or walking
- Increase the percentage of vehicles using alternative fuels

Project Evaluation Criteria:

- **Reduction in regional vehicle miles traveled**
- **Qualitative assessment as to the potential of the project to reduce SOV use and/or increase transit, bicycling or walking**
- **Qualitative assessment as to the potential of the project to promote the use of alternative fuel resources**



CRITERIA DETAILS

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

Objectives:

- Minimize the difference in trip travel time for disadvantaged populations relative to the regional trip travel time
- Reduce the number of fatalities and serious injuries from crashes
- Maintain infrastructure in a state of good repair by minimizing the percentage of bridges with poor General Appraisals, minimizing pavement miles in unacceptable conditions, maintaining transit fleet of a useful life, and incorporating bike facilities

Project Evaluation Criteria:

- Ratio of EJ population users of the project to the regional average for each EJ population
- Qualitative statement as to any potential negative impacts to EJ populations
- Crash ranking based on total frequency, bike/ped frequency, total rate and fatal and serious injury ratio
- Existing bridge rating and pavement condition rating
- Qualitative statement as to extra-ordinary improvements to safety or maximizing the life of the transportation system



CRITERIA DETAILS

Goal: Create sustainable neighborhoods to improve residents' quality of life

Objectives:

- Encourage and support MORPC member communities to adopt complete streets policies or policies that contain those elements
- Target infrastructure development to serve a higher number of people and jobs and increase sidewalk coverage of arterials and collectors
- Target transit and bikeway infrastructure development to serve a higher number of people

Project Evaluation Criteria:

- **Is the project in a community that has a complete streets policy**
- **Average origin and destination density of the users of the project in 2015, 2040 and the change in density**
- **Percentage of project without sidewalks in good condition**
- **Is the project along key regional corridor as identified in the Active Transportation Plan**
- **Qualitative statement as to the project's ability to enhance the regional bikeways**
- **Qualitative statement as to whether the project is along an existing transit route or otherwise enhance transit service**



CRITERIA DETAILS

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

Objectives:

- Increase the percentage of funding from non-public sources on transportation projects on functionally classified Principal Arterials and above
- Increase the number of projects utilizing innovative initiatives on functionally classified Principal Arterials and above
- Increase the percentage of functionally classified Principal Arterials and above facilities employing coordinated Intelligent Transportation System (ITS) technologies
- 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

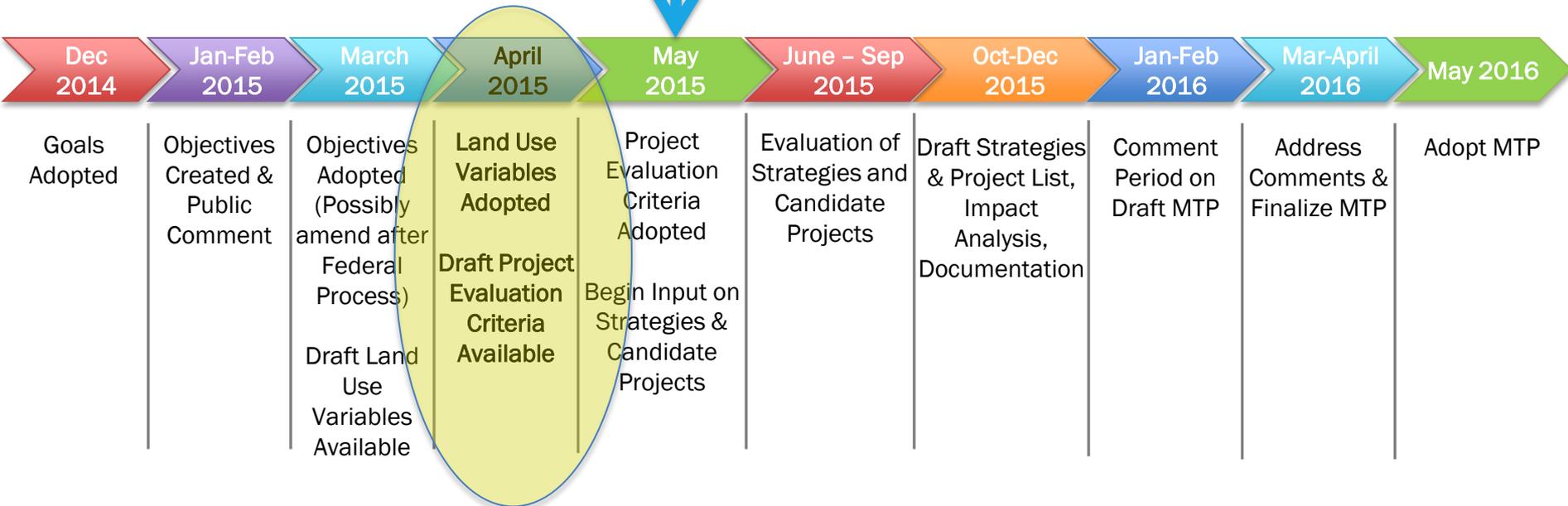
Project Evaluation Criteria:

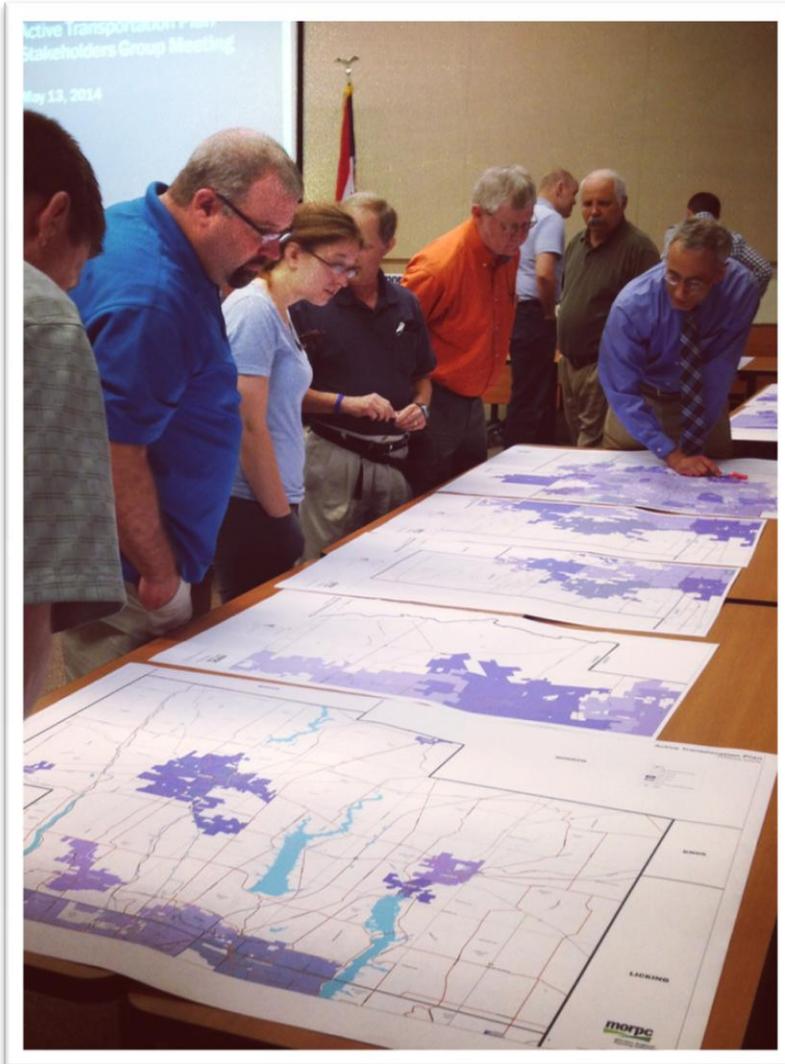
- Listing of the plan(s)/study(ies) the project appears in and is a project phase on the 16-19 TIP
- Number of jurisdictions that contribute 75% of the project users
- Amount and percent of new development within one miles of the project
- Qualitative statement on mechanisms in place in the project area to enable non-public participation
- Qualitative statement of any innovative project delivery or construction techniques that may be used
- Will project increase ITS technologies on Principal Arterials and above facilities
- Will project increase use of video surveillance on Principal Arterials and above facilities and transit facilities



NEXT STEPS

- Full package for public comment by April 3, 2015
- Comments accepted through May 1, 2015
- **Adopt evaluation process and criteria at May meeting**





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