

# DRAFT 2045 MTP Goals, Objectives, and Performance Measures

GOALS	OBJECTIVES	Performance Measures
<b>Protect Environment and Minimize Climate Change</b>	<ul style="list-style-type: none"> <li>A. Reduce mobile source emissions, GHG, and energy consumption</li> <li>B. Reduce the impact on the natural and cultural environment</li> </ul>	<ul style="list-style-type: none"> <li><b>A –</b> <ul style="list-style-type: none"> <li>1. Transportation GHG emissions per capita</li> <li>2. Transportation ozone and CO emissions per capita</li> <li>3. Mobile energy consumption per capita</li> </ul> </li> <li><b>B –</b> <ul style="list-style-type: none"> <li>1. Lane miles per capita</li> <li>2. Proportion of transportation projects that don't need an environmental permit</li> </ul> </li> </ul>
<b>Connect People</b>	<ul style="list-style-type: none"> <li>A. Connect people to jobs, education and other important destinations using all modes</li> </ul>	<ul style="list-style-type: none"> <li><b>A –</b> <ul style="list-style-type: none"> <li>1. Percentage of work and non-work trips by auto less than 30 minutes</li> <li>2. Percentage of work and non-work trips by transit less than 45 minutes</li> <li>3. Average bicycle and pedestrian trip time</li> <li>4. Miles of sidewalks and bike lanes</li> <li>5. Ratio of sidewalk, bike lanes and multi use paths to population</li> <li>6. Proportion of TIP projects with bicycle and pedestrian elements</li> </ul> </li> </ul>
<b>Promote Multimodal and Affordable Travel Choices</b>	<ul style="list-style-type: none"> <li>A. Enhance transit services, amenities and facilities</li> <li>B. Improve bicycle and pedestrian facilities</li> <li>C. Increase utilization of affordable non-auto travel modes</li> </ul>	<ul style="list-style-type: none"> <li><b>A –</b> <ul style="list-style-type: none"> <li>1. Local per capita expenditures on transit operations</li> <li>2. Per capita transit service hours</li> <li>3. Total transit boardings</li> </ul> </li> <li><b>B –</b> <ul style="list-style-type: none"> <li>1. Local per capita expenditures on bicycle and pedestrian facilities</li> <li>2. % increase in separated bicycle facilities</li> <li>3. Percentage of parcels within census-defined area (UA) that have sidewalks</li> </ul> </li> <li><b>C –</b> <ul style="list-style-type: none"> <li>1. Percentage of transit, bicycle and pedestrian mode shares</li> <li>2. Percentage of transit, bicycle and pedestrian mode shares in transit corridors</li> <li>3. Percentage of transit, bicycle and pedestrian mode shares for work commute</li> </ul> </li> </ul>
<b>Manage Congestion &amp; System Reliability</b>	<ul style="list-style-type: none"> <li>A. Allow people and goods to move with minimal congestion and time delay, and greater predictability.</li> <li>B. Promote Travel Demand Management (TDM, such as carpool, vanpool and park-and-ride)</li> <li>C. Enhance Intelligent Transportation Systems (ITS, such as ramp metering, dynamic signal phasing and vehicle detection systems)</li> </ul>	<ul style="list-style-type: none"> <li><b>A –</b> <ul style="list-style-type: none"> <li>1. Average work-trip travel time during peak hours for each mode</li> <li>2. Percentage of peak period VMT at congestion (V/C &gt; =1.2)</li> <li>3. Average clearance time for crashes on principal roadways</li> <li>4. Annual hours of delay per auto commuter</li> </ul> </li> <li><b>B –</b> <ul style="list-style-type: none"> <li>1. Percentage of commuter driving alone</li> <li>2. Average number of vehicle occupants</li> <li>3. Number of employees included in TDM plans</li> <li>4. Number of work places promoting TDM</li> </ul> </li> <li><b>C –</b> <ul style="list-style-type: none"> <li>1. Percentage of VMT on roadways with real-time transportation information</li> </ul> </li> </ul>

GOALS	OBJECTIVES	Performance Measures
<b>Improve Infrastructure Condition</b>	<ul style="list-style-type: none"> <li>A. Increase proportion of highways and highway assets in 'Good' condition</li> <li>B. Maintain transit vehicles, facilities and amenities in the best operating condition.</li> <li>C. Improve the condition of bicycle and pedestrian facilities and amenities</li> <li>D. Improve response time to infrastructure repairs</li> </ul>	<p><b>A—</b></p> <ol style="list-style-type: none"> <li>1. Lane miles of streets (thoroughfare and above) with unacceptable pavement condition ratings by NCDOT</li> <li>2. Percent of structurally deficient and functionally obsolete bridges</li> <li>3. Transportation Improvement Program (TIP) (10-year) expenditures in MPO for roadway maintenance</li> </ol> <p><b>B—</b></p> <ol style="list-style-type: none"> <li>1. Percentage of transit vehicles being used beyond life cycle</li> </ol> <p><b>C—</b> (no measure identified)</p> <p><b>D—</b> (no measure identified)</p>
<b>Ensure Equity</b>	<ul style="list-style-type: none"> <li>A. Ensure transportation needs are met for all populations (especially the aging and youth, economically disadvantaged, mobility impaired, and minorities)</li> <li>B. Minimize the negative effects of transportation investments to local communities</li> <li>C. Ensure that transportation investments do not create a disproportionate burden for any community</li> <li>D. Enhance public participation among all communities</li> </ul>	<p><b>A—</b></p> <ol style="list-style-type: none"> <li>1. Percentage of Environmental Justice (EJ) population and total population within census-defined urban area (UA) that is within ½ mile of bus transit service or 1 mile of rail transit service</li> <li>2. Highway and transit investment in communities of concern are similar to the general population in the Metropolitan Transportation Plan (MTP)</li> </ol> <p><b>B—</b> (no measure identified)</p> <p><b>C—</b></p> <ol style="list-style-type: none"> <li>1. Does the 2045 MTP meet Environmental Justice requirements?</li> </ol> <p><b>D—</b></p> <ol style="list-style-type: none"> <li>1. Number of participants in public meetings, public hearings and surveys during the 2045 MTP development process</li> <li>2. Number of Web site views and participation level in social media</li> </ol>
<b>Promote Safety and Health</b>	<ul style="list-style-type: none"> <li>A. Increase safety of travelers and residents</li> <li>B. Promote public health through transportation choices</li> </ul>	<p><b>A—</b></p> <ol style="list-style-type: none"> <li>1. Number of vehicle crashes, serious injury and fatalities per million vehicle miles traveled</li> <li>2. Pedestrian and bicycle crashes, serious injuries and fatalities per capita</li> </ol> <p><b>B—</b></p> <ol style="list-style-type: none"> <li>1. Percentage of adults who are physically inactive in the region</li> </ol>
<b>Stimulate Economic Vitality</b>	<ul style="list-style-type: none"> <li>A. Improve freight movement</li> <li>B. Link land use and transportation</li> <li>C. Increase funding and funding sources for all transportation modes (some staff and Board members have suggested deleting this Objective)</li> <li>D. Improve project delivery for all modes</li> </ul>	<p><b>A—</b></p> <ol style="list-style-type: none"> <li>1. Truck hours of delay per trip</li> <li>2. Average truck speed on appropriate freight corridors</li> </ol> <p><b>B—</b></p> <ol style="list-style-type: none"> <li>1. Vehicle Miles Traveled (VMT) per capita</li> <li>2. Average trip time (in minutes) for each mode</li> <li>3. Average trip distance for each mode</li> <li>4. Percentage of population within ½ mile of high-end bus transit service or 1 mile of rail transit service</li> <li>5. Mode share in transit corridors for transit, bicycle and walking</li> <li>6. Percentage of population within ¼ mile of bike facilities</li> </ol> <p><b>C—</b></p> <ol style="list-style-type: none"> <li>1. Transportation Improvement Program (TIP) (10-year) expenditures in MPO as a percent of the 2045 MTP costs</li> <li>2. (Objective C might be deleted.)</li> </ol> <p><b>D—</b></p> <ol style="list-style-type: none"> <li>1. Percentage of TIP highway projects completed on-time (or, NCDOT project delivery measure)</li> <li>2. Percentage of STP-DA funding that is obligated</li> </ol>