

2045 MTP Goals, Objectives, and Performance Measures

Goals	Objectives	Performance Measures
I. Protect Environment and Minimize Climate Change	<p>A. Reduce mobile source emissions, GHG, and energy consumption</p> <p>B. Reduce the negative impacts on the natural and cultural environment</p>	<p>A—</p> <ol style="list-style-type: none"> 1. Total and per capita transportation GHG, ozone, CO, and particulate matter emissions 2. Total and per capita mobile energy consumption <p>B—</p> <ol style="list-style-type: none"> 1. Proportion of planned investment in existing highways
II. Connect People	<p>A. Connect people to jobs, education and other important destinations using all modes</p> <p>B. Ensure transportation needs are met for all populations (especially the aging and youth, economically disadvantaged, mobility impaired, and minorities)</p>	<p>A—</p> <ol style="list-style-type: none"> 1. Percentage of work and non-work trips by auto less than 30 minutes 2. Percentage of work and non-work trips by transit less than 45 minutes 3. Percentage of urbanized area within ¼ mile of pedestrian facilities 4. Percentage of jobs within 1/4 mile of frequent (15min.) bus transit service or 1/2 mile of fixed guideway transit service <p>B—</p> <ol style="list-style-type: none"> 1. Percentage of Environmental Justice (EJ) population and total population within ½ mile of bus transit service, 1 mile of rail transit service, ½ mile of bike facilities, or ¼ mile of sidewalk.

<p>III. Promote Multimodal and Affordable Travel Choices</p>	<p>A. Enhance transit services, amenities and facilities</p> <p>B. Improve bicycle and pedestrian facilities</p> <p>C. Increase utilization of affordable non-auto travel modes</p>	<p>A—</p> <ol style="list-style-type: none"> 1. Per capita transit service hours 2. Total transit boardings per capita 3. Proportion of bus stops that meet their defined facility threshold (to be determined). <p>B—</p> <ol style="list-style-type: none"> 1. MPO total programming per capita on bicycle and pedestrian facilities 2. Proportion of jurisdictions that have an ordinance requiring developers to build or pay in lieu for sidewalks. <p>C—</p> <ol style="list-style-type: none"> 1. Percentage of transit, bicycle and pedestrian mode shares (overall) 2. Percentage of transit, bicycle and pedestrian mode shares in transit corridors 3. Percentage of transit, bicycle, and pedestrian mode shares in high frequency bus corridors (at least 15min. headways)
<p>IV. Manage Congestion & System Reliability</p>	<p>A. Allow people and goods to move with minimal congestion and time delay, and greater predictability.</p> <p>B. Promote Travel Demand Management (TDM) such as carpool, vanpool and park-and-ride.</p> <p>C. Enhance Intelligent Transportation Systems (ITS) such as ramp metering, dynamic signal phasing and vehicle detection systems.</p>	<p>A—</p> <ol style="list-style-type: none"> 1. Average clearance time for crashes on principal roadways 2. Daily minutes of delay per capita 3. (Placeholder for measure from Regional Freight Plan) <p>B—</p> <ol style="list-style-type: none"> 1. Percentage of peak-hour travelers driving alone 2. Total individuals provided TDM support via programs and activities 3. Vehicle Miles Traveled (VMT) per capita <p>C—</p> <ol style="list-style-type: none"> 1. ITS investments

<p>V. Improve Infra- structure Condition</p>	<p>A. Increase proportion of highways and highway assets in 'Good' condition</p> <p>B. Maintain transit vehicles, facilities and amenities in the best operating condition.</p> <p>C. Improve the condition of bicycle and pedestrian facilities and amenities</p> <p>D. Improve response time to infrastructure repairs</p>	<p>A—</p> <ol style="list-style-type: none"> 1. Percent lane miles with unacceptable pavement condition ratings by NCDOT 2. Percent of structurally deficient bridges <p>B—</p> <ol style="list-style-type: none"> 1. Percentage of non-revenue vehicles that have met or exceeded their useful life benchmark (ULB) (FAST Act) 2. Percentage of revenue vehicles (i.e., vans, light transit vehicle (LTV) and buses) that have met or exceeded their ULB (FAST Act) 3. Percentage of facilities with a condition rating below 3 on the Federal Transit Agency's Transit Economic Requirements Model (TERM) <p>C—</p> <ol style="list-style-type: none"> 1. Proportion of bicycle facilities (bike lanes, shared use paths) rated in good condition <p>D—</p> <ol style="list-style-type: none"> 1. Percent reported pothole repaired within two days by NCDOT Division.
<p>VI. Ensure Equity and Partici- pation</p>	<p>A. Ensure that transportation investments do not create a disproportionate burden for any community</p> <p>B. Enhance public participation among all communities</p>	<p>A—</p> <ol style="list-style-type: none"> 1. Does the 2045 MTP meet Environmental Justice requirements? <p>B—</p> <ol style="list-style-type: none"> 1. Number of participants in public participation process by type (in-person, email, surveys, social media).
<p>VII. Promote Safety and Health</p>	<p>A. Increase safety of travelers and residents</p> <p>B. Promote public health through transportation choices</p>	<p>A—</p> <ol style="list-style-type: none"> 1. Number of non-motorized fatalities and serious injuries (FAST Act) 2. Number of motorized fatalities (FAST Act) 3. Rate of motorized fatalities (FAST Act) 4. Number of motorized serious injuries (FAST Act) 5. Rate of motorized serious injuries (FAST Act)

		<p>B—</p> <ol style="list-style-type: none"> Percentage of adults who are physically inactive.
<p>VIII. Stimulate Economic Vitality</p>	<ol style="list-style-type: none"> Improve freight movement Link land use and transportation Target funding to the most cost-effective solutions Improve project delivery for all modes 	<p>A—</p> <ol style="list-style-type: none"> Truck delay (minutes) per trip Freight plan, buffer time index <p>B—</p> <p>Refer to Goal II: Connect People</p> <p>C—</p> <ol style="list-style-type: none"> Average payback period of investments by mode. <p>D—</p> <ol style="list-style-type: none"> Percentage of TIP projects completed on-time (let to construction) by mode (or, NCDOT project delivery measure) Percentage of projects in the MTP being built in the time period in which they first appeared. Percentage of projects in the TIP being built in the time period in which they first appeared.