

Strategic Mobility Plan

BICYCLE ADVISORY COMMITTEE

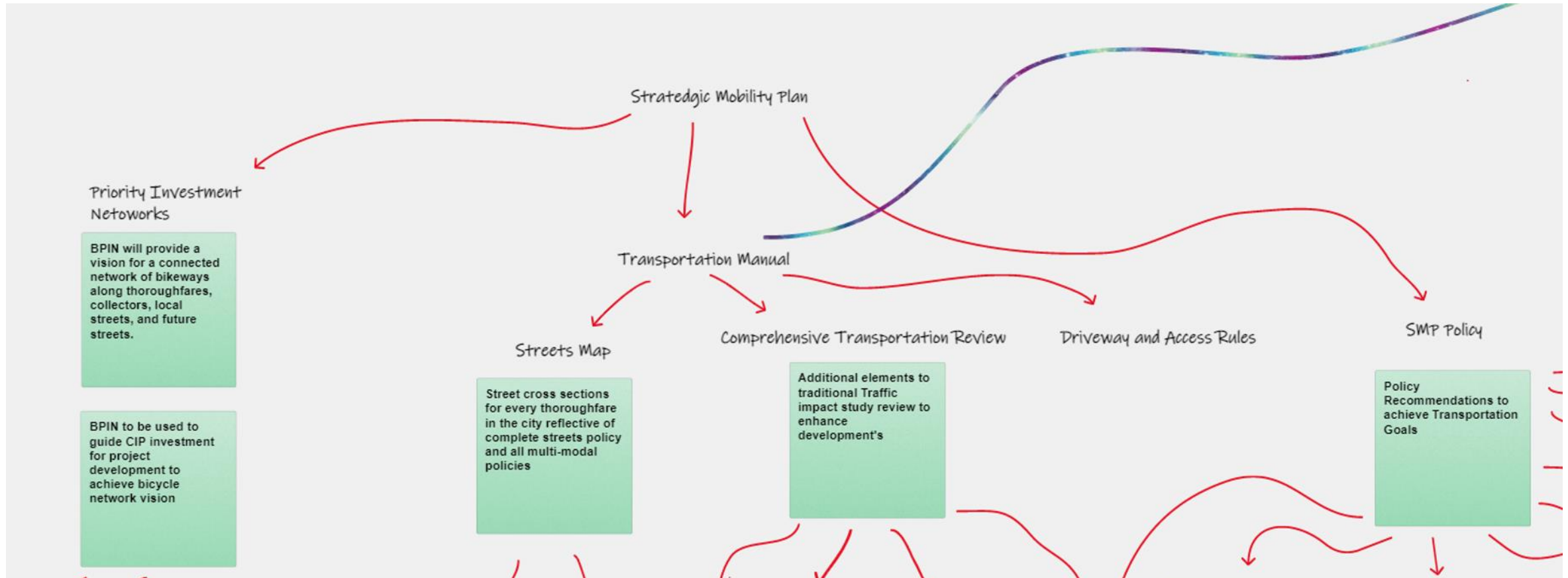
MAY 24, 2022



The First Draft is LIVE!

- ▶ **The first draft of the Strategic Mobility Plan (SMP) was released Friday, May 20**
 - PDF full draft available [here](#)
 - Public comment draft available at <https://publicinput.com/cltsmp>
 - To learn more, visit www.charlottenc.gov/smp

February 2022 BAC Retreat



Charlotte Future 2040 Comprehensive Plan

Top 10 Critical Community Goals



1. 10-MINUTE
NEIGHBORHOODS



2. NEIGHBORHOOD
DIVERSITY AND
INCLUSION



3. HOUSING
ACCESS
FOR ALL



4. TRANSIT- AND TRAIL-
ORIENTED
DEVELOPMENT



5. SAFE AND
EQUITABLE MOBILITY



6. HEALTHY, SAFE, AND
ACTIVE COMMUNITIES



7. INTEGRATED NATURAL
AND BUILT
ENVIRONMENTS



8. DIVERSE AND
RESILIENT ECONOMIC
OPPORTUNITY



9. RETAIN OUR
IDENTITY
AND CHARM



10. FISCALLY
RESPONSIBLE

*Charlotte will provide **safe** and **equitable** mobility options for all travelers regardless of age, income, ability, race, gender, where they live, or how they choose to travel. An integrated system of transit and tree-shaded bikeways, sidewalks, shared-use paths, and streets will support a **sustainable, connected, prosperous, and innovative** network that connects all Charlotteans to each other, jobs, housing, amenities, goods, services, and the region.*



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Safe and Equitable Mobility

Safe | Vision Zero

2040 **Aspiration**

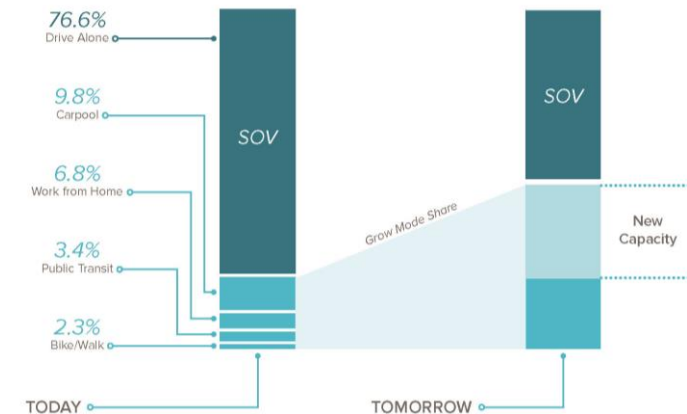
As a community, we will eliminate traffic deaths and serious injuries for all who share Charlotte streets.



Equitable | 50-50 Mode Share

2040 **Aspiration**

As a community, half of our trips will be made by means other than single-occupancy car, though walking, cycling and transit.



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Objectives



Safe

Eliminate transportation-related fatalities and serious injuries to make our streets safe for everyone.



Sustainable

Increase access to sustainable and zero carbon transportation modes and mobility options to support our strategic energy and sustainability goals.



Prosperous

Prioritize transportation investments that promote economic vibrancy by managing congestion, connecting our workforce with opportunities, and advancing community priorities.



Equitable

Increase investment and access to support equitable and affordable mobility options in our communities that have historically lacked investment.



Connected

Increase the share of trips made without a car and broaden multimodal connectivity to expand the capacity of our transportation infrastructure.



Innovative

Integrate emerging mobility solutions and new technologies to move people and goods through our City in cleaner, safer, more affordable, and efficient ways.



Safe

Eliminate transportation-related fatalities and serious injuries to make our streets safe for everyone.

Create Safe Streets for All Users

Design for Safety
Plan for Safety

Shape a Community Culture of Safety

Education and Outreach
Analyze the Data
Shape Policy and Legislation

Actions

Steps to implementation

Strategies

Initiatives that direct action

Policies

Focus toward our objectives

Objectives

What we want to achieve

Reading the Document

Safe Policy 2 | **Shape a Community Culture of Safety**

Connected Policy 2 | **Bicycle System**

Sustainable Policy 3 | **Minimize Environmental Impact**

Innovative Policy 1 | **Support Shared Mobility Solutions**



Connected Policy 2 | Bicycle System

To support and encourage the use of bicycles and other micromobility technologies, we must build a complete system of facilities. This requires providing a variety of context-based facilities—both on- and off-street—and stitching together networks to create bicycle access throughout our community. It also requires supporting bicyclists' unique needs once the trip is over.

Charlotte will work with public and private partners to build a connected network of on- and off-street bicycle facilities to support peoples' ability to choose bicycles as a safe and viable mobility option. We will plan, build, operate, and maintain bike network connections that overcome physical barriers, shorten routes, connect local and regional destinations, and function as integral parts of the City's overall transportation network.

Connected Strategy 2.1 | Increase the Availability and Safety of Bicycling & Micromobility

Charlotte will create a safe, comfortable, and convenient network of bicycle facilities that aid and encourage cycling and utilizing micromobility for people of all ages and abilities in all areas of Charlotte.

Actions

Bicycle Framework — Complete the Bicycle Priority Network (as defined in the SMP), targeting and prioritizing capital investments that expand access to facilities for All Ages and Abilities (AAA).

Advance and Support the Greenway System — Support the greenway system as an integral part of the transportation network and partner with Mecklenburg County Park and Recreation to prioritize bicycle investments that provide connections between greenway trails and nearby destinations.

Streets Map — Implement bicycle facilities as defined on the Streets Map on all new or reconstructed roadways and resurfacing projects in the City and ensure that regulations provide adequate space for safe bicycle facilities.

Bicycle Signal Detection — Increase the number of signalized intersections that detect bicyclists.

Bicycle Program — Support and fund the Bicycle Program to manage the Bicycle Advisory Committee, maintain and update a Charlotte Bikes Action Plan that identifies and prioritizes program and project investment, and sponsor education activities and events that raise awareness of bicycling.

Connected Strategy 2.2 | Advance Bicycle Facility Design & Maintenance

Charlotte will ensure that bicycle facilities and supporting infrastructure are designed and located based on best practices, meet community needs, and serve as an asset to all current and potential users of bicycles and micromobility devices.

Actions

Bicycle Design Guide — Develop a Bicycle Design Guide using the latest bikeway design guidance from AASHTO, FHWA, and NACTO to be incorporated into an overall update of the Urban Street Design Guidelines (USDG), and include updated designs for shared-use path crossings at driveways and intersections.

End-of Trip Facilities — Invest in, partner to create, and require or incentivize facilities that meet end-of-trip needs, including bike parking that is abundant and convenient, a place to shower and change clothing, and stands for repairs.

Bicycle Facility Maintenance — Maintain bicycle facilities by keeping pavement, barriers, markings, signage, and signal detection in good condition and free of debris.

Intersection Design — Identify and invest in intersection improvements on the Bicycle Priority Network that support bicycle connectivity and access, including signal detection, lane protection, and protected bicycle signals.

Connected Strategy 2.3 | Create a Culture that Educates, Promotes, & Welcomes Bicycling

Charlotte will sponsor educational opportunities and identify initiatives, offer incentives, and support efforts to promote bicycling for people of all ages and abilities within our community to encourage safe cycling and driver awareness of bicycles.

Actions

Bicycle Advisory Committee — Support the Bicycle Advisory Committee as the chief citizens' advisory group for bicycle related issues and receive recommendations in accordance with its mission.

Bicycle/Pedestrian Counters — Expand existing bicycle/pedestrian volume counters into a systematic inventory of bicycling use trends and add bicycle/pedestrian counters at key locations of the network as new facilities are built to capture before and after counts, and track user trends over time.

Education — Support education campaigns and programs and partnerships, including participating in Watch for Me NC and sponsoring events to promote and raise awareness of bicycling.

Enforcement — Identify and support enforcement campaigns, training, and data collection of bicycle-related crashes to foster a culture of safety and accountability on Charlotte's streets through the enforcement of traffic laws.

Silver Bicycle Friendly Community — Work toward achieving a Silver-Level designation from the League of American Bicyclists (currently Bronze Level) and Bicycle Friendly Business Status.

Bike Share — Support partners in efforts to operate, sustain, and expand bike share in Charlotte.

Mobility Strategies



Transit Framework

Focuses our multimodal investment to support priority bus and rail transit service, access, and comfort.



Bicycle Framework

Defines our bicycle priority network to target the most impactful projects and program investment.



Pedestrian Framework

Establishes our pedestrian priority network to direct our investments in sidewalks, crossings, intersections, and safety.



Street and Roadway Framework

Aligns our street and roadway needs with City and regional investments to move people and goods.



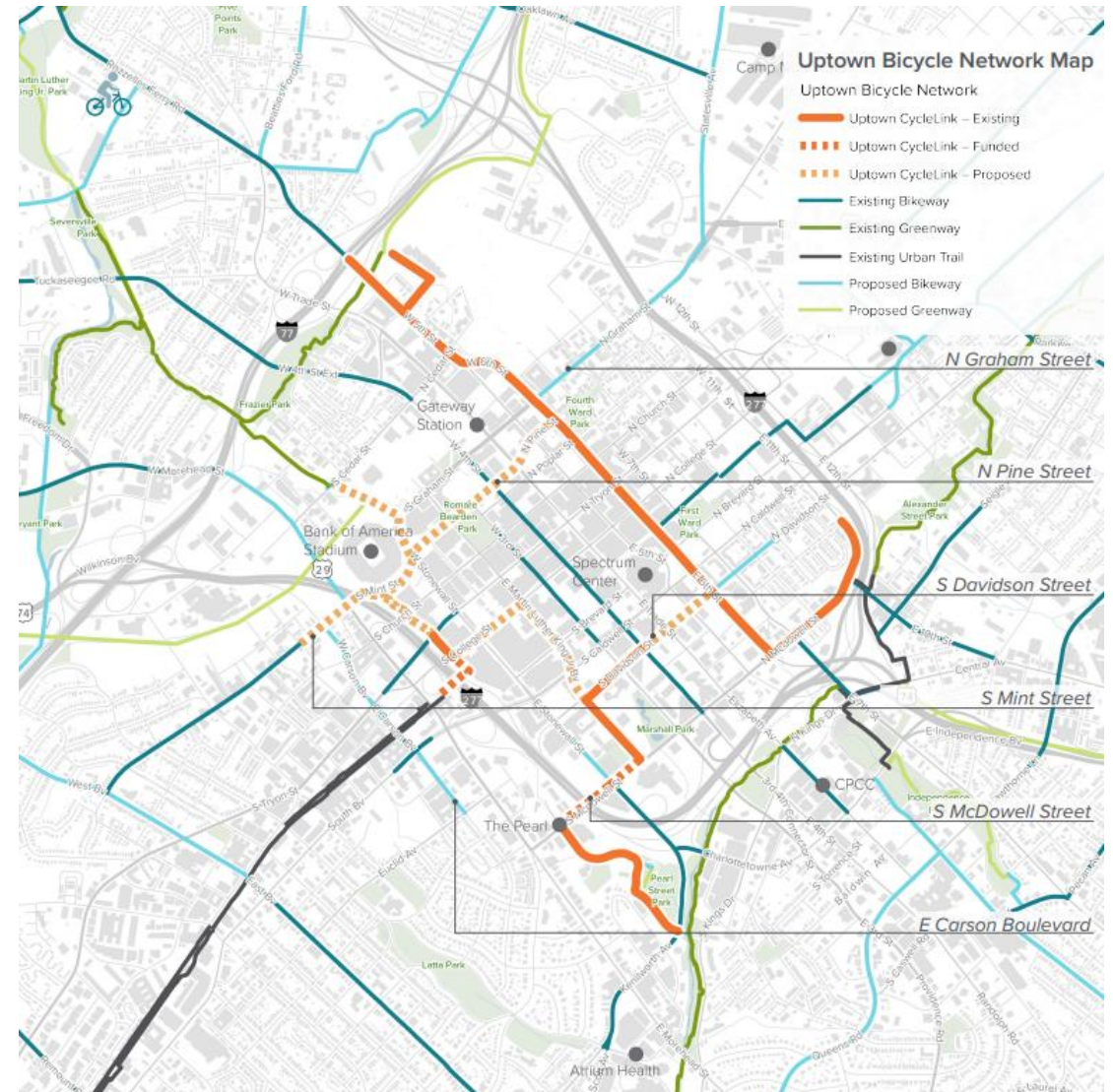
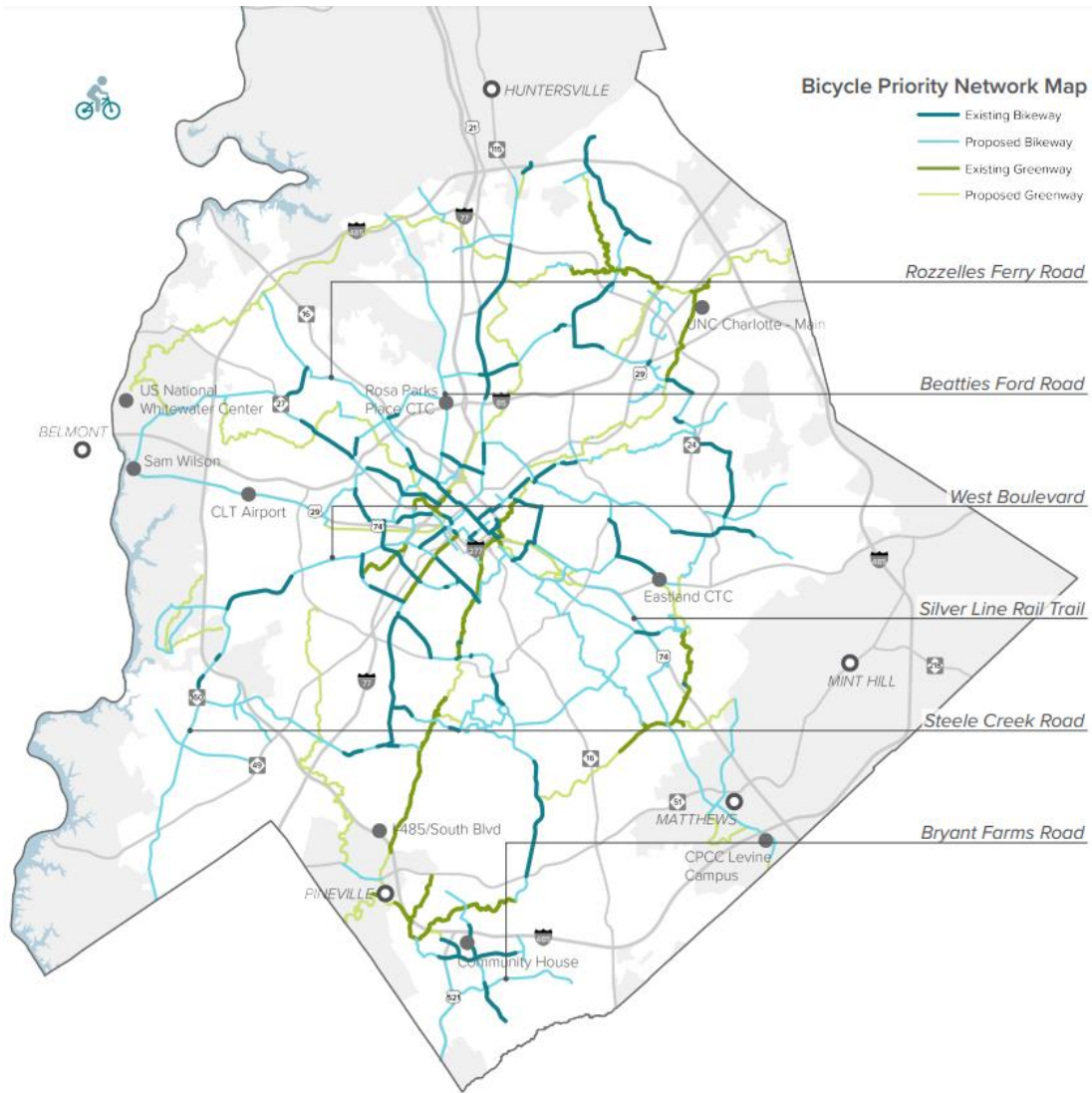
BICYCLE FRAMEWORK

A Bicycle and Mobility System

Bicyclists are a key indicator of the health of a city. When our streets are safe and comfortable enough to travel by bicycle, and bicycling is considered a normal, routine choice for getting around, we will earn the benefits of a healthier and happier community.

The Bicycle Framework focuses on establishing a complete, citywide network designed to create connected corridors for bicycle travel and emerging micromobility options, such as scooters or electric-assist bicycles. The framework will extend bike connections between major mobility hubs and employment centers, provide key links to existing and proposed greenways, and fill important gaps in the network to better connect people to jobs and other critical needs.

Priority Network



The Vision for Our Growth



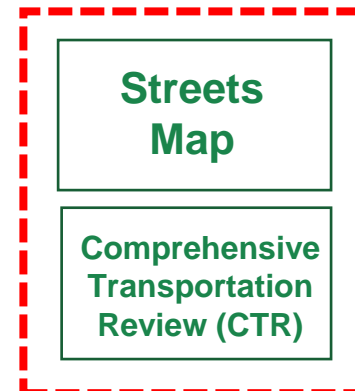
How We Shape:

Public
Investment in Mobility

Mobility Policy



Streets Manual



How We Shape:

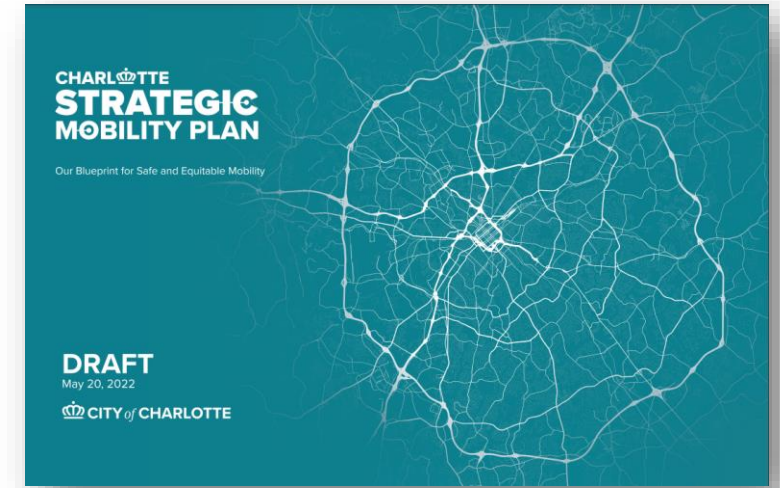
Private
Investment in Mobility

Timeline

► Public Engagement Opportunities

- May 26 at 6 p.m. [Thursday Zoom Meeting](#)
- May 31 at 12 p.m. [Tuesday Zoom Meeting](#)
- Public Comment at City Council Meeting on June 13 at 6 p.m.
- Public comments may also be emailed to charlottedot@charlottenc.gov

► Planned City Council consideration for adoption June 27





Questions?

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