

Charlotte City Council Action Review

November 28,2022

Mobility

Moving Our Vision Forward

Tonight's Purpose:

No Council Action

Discussion:

- As we look toward our 2040 future we challenged ourselves with a big vision and a bold aspiration.
- This naturally requires us to change the way we think about future infrastructure investment.
- What does that mean for identifying, prioritizing, and funding transportation projects?

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Topics to Inform Your Discussion:

Why Now

Taking advantage of opportunities and establishing a sense of urgency

Getting From Policies to Projects

Translating Our Mobility Strategy into actions

How We Get There

Prioritizing project investment that leads to change and meaningful impact

Addressing Our Challenge

Considering and evaluating mobility funding options

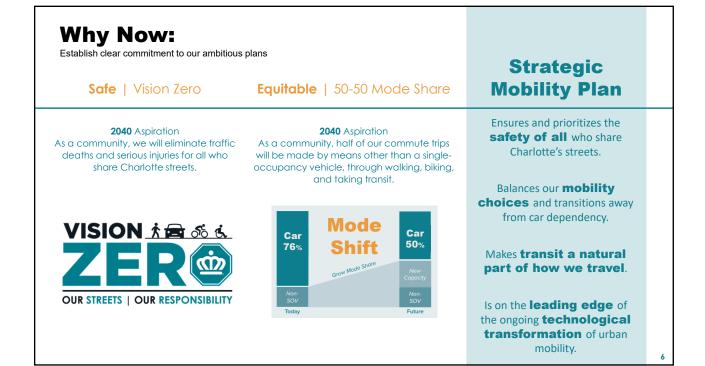
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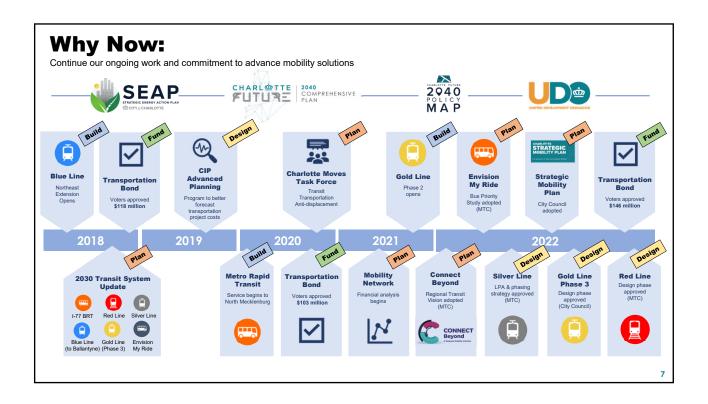
Topic:

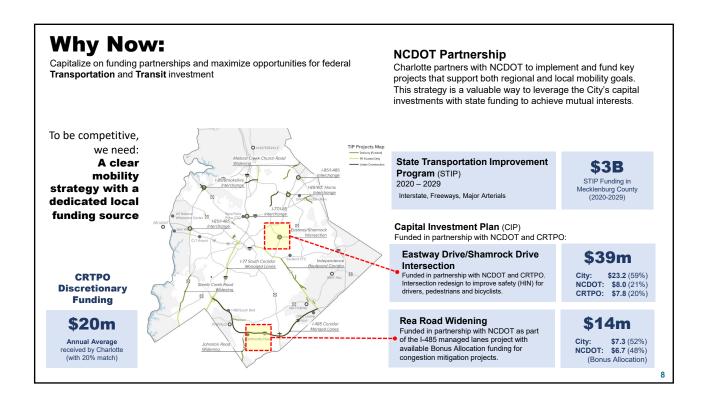
Why Now

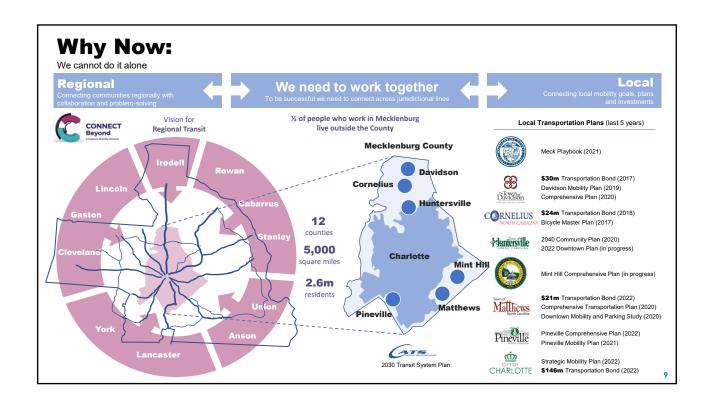
Taking advantage of opportunities and establishing a sense of urgency

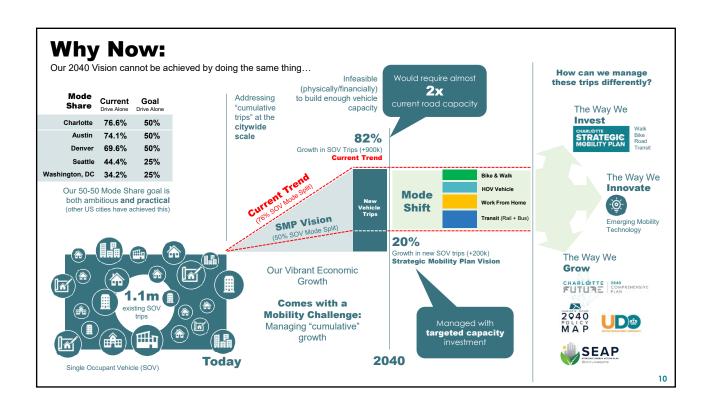












Topic:

Getting From Policies to Projects

Translating Our Mobility Strategy into actions

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Our goal is to move people...

walk, bike, car, transit, greenway

Roadway Network

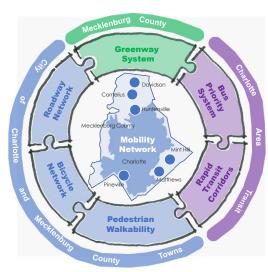
A designed roadway network to provide safe multimodal options to manage areas of high congestion and expand street grid connectivity

Bicycle Network

An expansive cross-county network for bicycles, scooters and emerging mobility technology

Pedestrian Walkability

Creating a safe pedestrian environment with convenient access to daily needs and mobility options



Greenway System

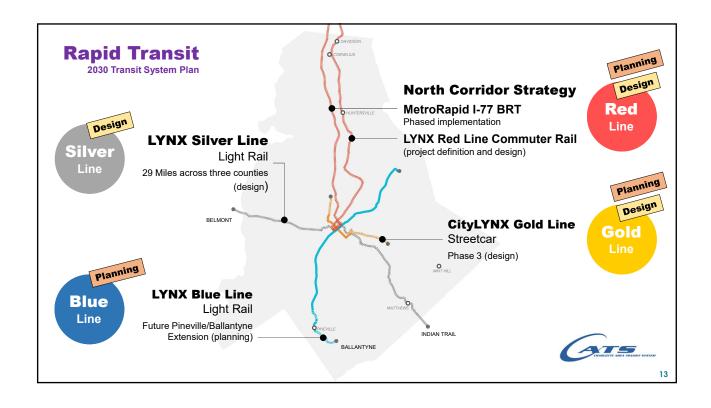
A connected greenway system to connect neighborhoods and services

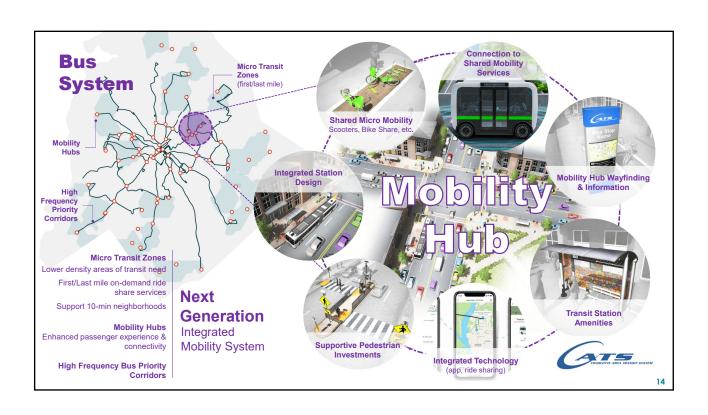
Bus System

High-frequency bus network highlighted by 15-minute service or better on more than 20 key routes, enhanced reliability and mobility hubs with on-demand services

Rapid Transit

High-capacity transit corridors and technology including light rail, commuter rail, bus rapid transit and streetcar





Transportation Projects: Cost & Feasibility

How much will they cost & how many will we get?

Project Examples:

Updated Intersection

reedom/Tuckaseegee \$14.8M Advance Planning

New Sidewalk

\$4 to \$8M (per mile)

New Street Bryant Farms Road

\$20M No ROW needed (0.4 miles)

Range of Bicycle Facilities Parkwood Ave.

\$2.8M (0.8 miles)
Davidson to The Plaza
2 new signals
Concrete buffer



The Plaza

\$800k (0.8 miles) Central to Parkwood Resurfacing/markings



Uptown CycleLink

\$6.0M (2.1 miles) 5th Street & 6th Street Concrete buffer

What We **Know:**

Historic cost and recent project experience

Rules of thumb (for some project types)

What We **Don't Know:**

On-gong cost escalation and inflation (in a current state of unpredictability) Impactful technical details: needed

ROW, extent of utility work

Projects moving forward are simply more complex and varied (the easy projects are done)

What We Are **Doing:**

Capital Investment Plan

Advance Planning

Advanced design to better understand project costs and to inform CIP decisions

Strategic Mobility Plan

Project Identification & Feasibility

Accelerating project identification and feasibility to estimate future order-of-magnitude needs

Pedestrian Walkability

Vision Zero

(High Injury Network)

Prioritized investments in pedestrian safety and facilities including sidewalks, pedestrian crossings, street lighting, and signal upgrades



Vision Zero

Install and upgrade street lighting to improve street segments identified on the High Injury Network

Construct refuge islands, install new signals and pedestrian hybrid beacons and deploy smart technology

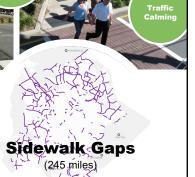
Install neighborhood traffic calming measures such as speed humps and multiway stops

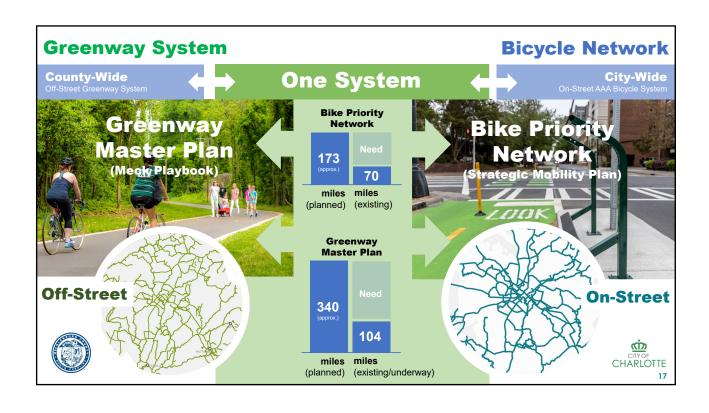
Sidewalk Connectivity

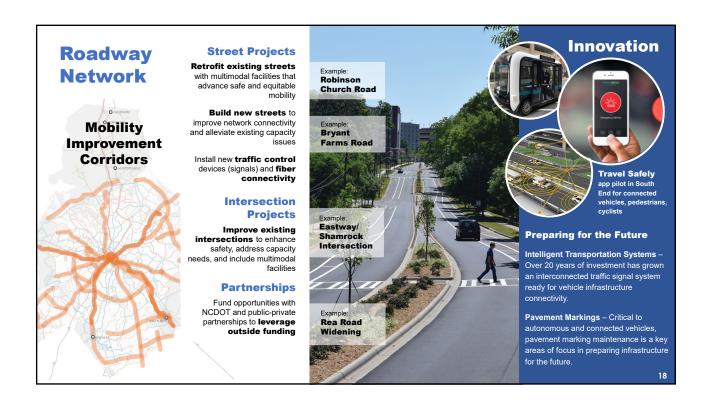
Fill sidewalk gaps along arterial streets without sidewalks

Prioritize first/last mile connectivity near transit connections and mobility hubs

Prioritize proximity to jobs, highfrequency transit corridors, schools and services



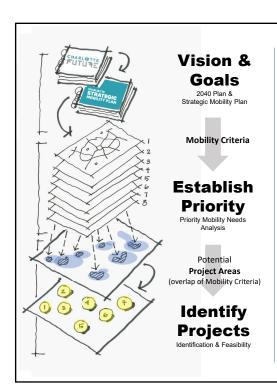




Topic: How We Get There

Prioritizing project investment that leads to change and meaningful impact

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Strategic Mobility Plan

Project Investment Process

- Identification
- Feasibility
- Prioritization

Project Prioritization

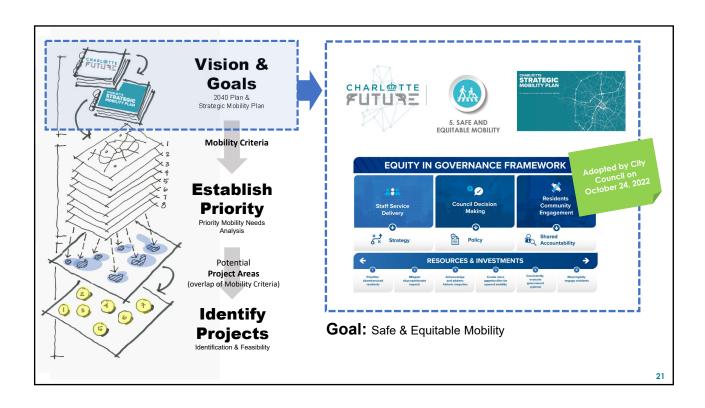
What have we done in the past?

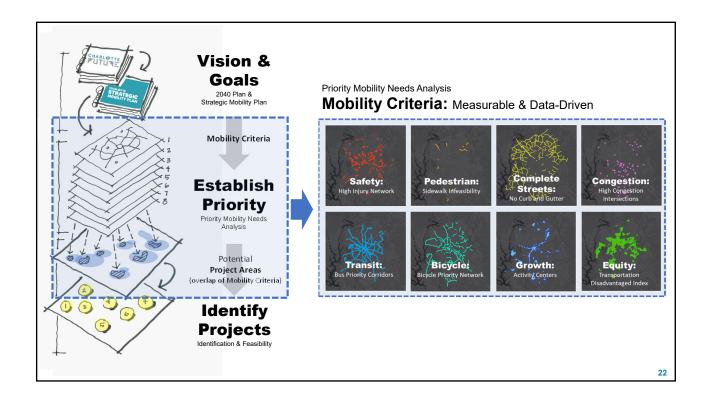
Prioritization on existing goals:

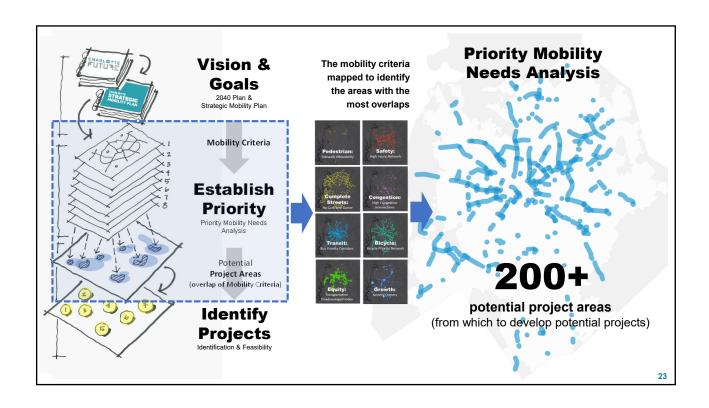
- Safety (Vision Zero)
- Congestion (traffic and growth)
- Connectivity (places and needs)
- Leverage (funding partnerships)

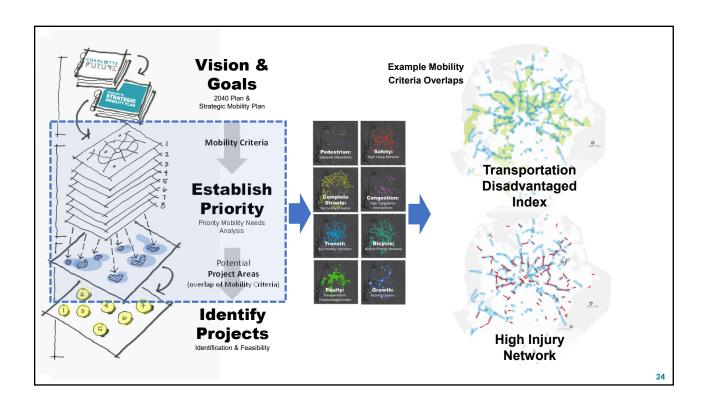
What's New?

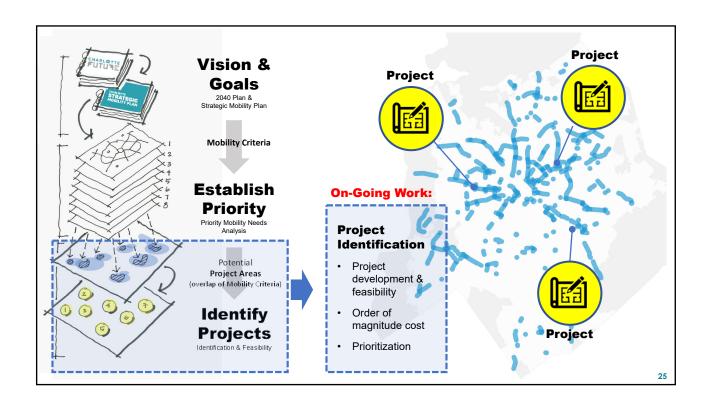
- New Plans (2040, SMP, SEAP)
- Need to level set and align our work
- Holistic approach designed to fully ensure equity and progress to stated goals
- Additional feasibility to better inform project identification



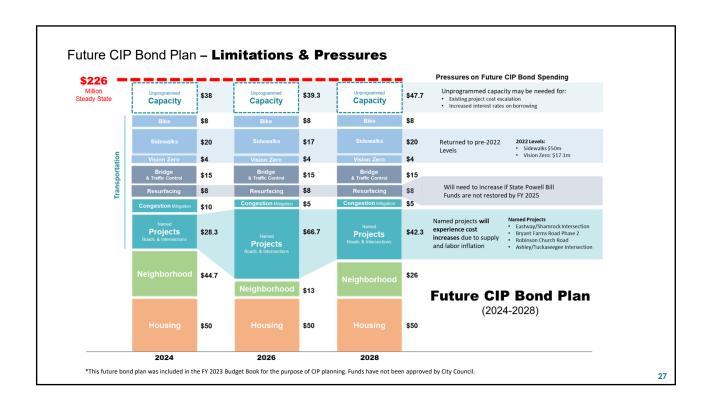


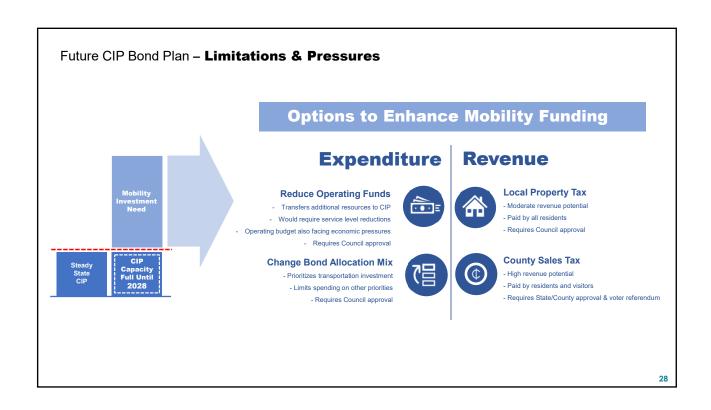












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Wrap Up:

This is just the beginning of discussion...

- Staff to continue working on funding options (Transit & Transportation)
- Staff to continue project identification and feasibility work
- Reexamine in Budget Workshop (February 2023)