



# Transit & Transportation

## Mobility, Accessibility & Connectivity

August 10, 2020

A photograph of a city street, likely in New York City, featuring a green-painted bicycle lane with a white arrow and a bicycle symbol. The street is lined with tall buildings, including the Chrysler Building in the background. A green semi-transparent overlay covers the entire image, and the word "Overview" is written in large white letters in the center.

# Overview

# Annual Strategy Meeting

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## Focus on Mobility Accessibility & Connectivity

- Improve congestion mobility, connectivity and accessibility issues
- Improve the reliability and efficiency of the public transit system





# Charlotte Moves Task Force

## Transformational Mobility Network

### Characteristics

#### SCALE

larger in scale or mobility impact

#### CONNECTED

integrates networks, systems, and services

#### MODE SHIFT

measurably shifts mode and travel choices

#### BARRIERS

overcomes barriers to key network completion

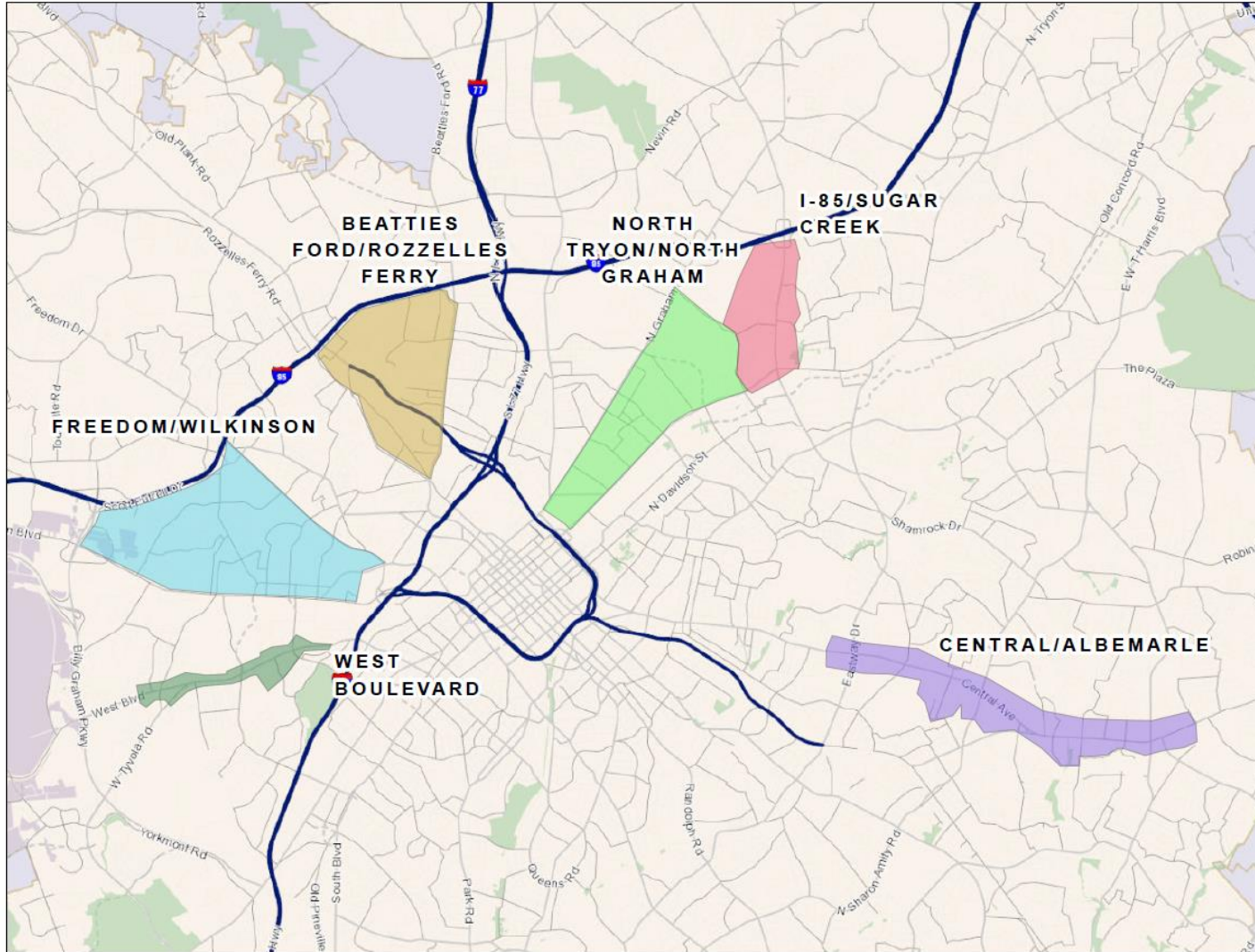
#### FUNDING

requires a higher level or accelerated funding

### Examples



# Six Corridors of Opportunities



**GREAT NEIGHBORHOODS**

**SAFE COMMUNITIES**

**ECONOMIC INVESTMENTS**

**PLACEMAKING**

**TRANSPORTATION  
INFRASTRUCTURE**

**TRANSIT IMPROVEMENTS**



# AFTER THE PANDEMIC

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## OUR NEW WORLD

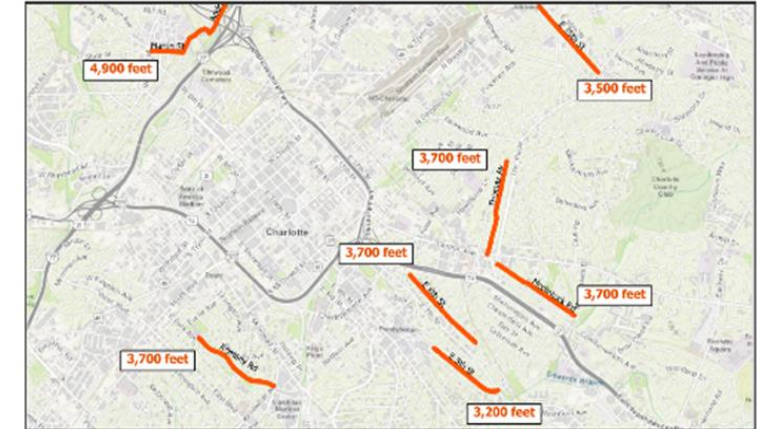




# Shared Streets Program

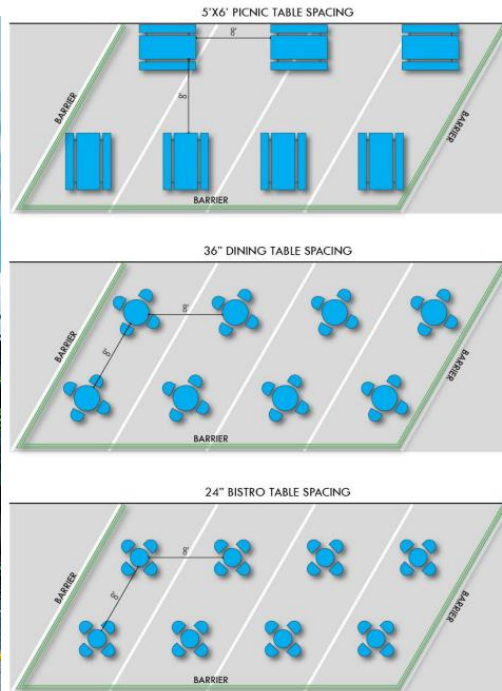


- ❑ **Phase 1:** Launched May 9, 2020
- ❑ **Phase 2:** Launched June 27, 2020
- ❑ **Phase 3:** Launching August 8, 2020
- ❑ **Phase 4:** Evaluation



# Streateries Program / Outdoor Dining

To assist restaurants during re-opening. Guidelines allow for restaurants to utilize parking spaces and extra sidewalk/street space for temporary outdoor dining conversion.



Businesses that have registered for temporary outdoor dining (June 18 – July 23)



# Case Study: Streateries Program / Outdoor Dining

The City of Belmont's outdoor dining program closes Main Street to vehicles every Friday and Saturday night to allow for public outdoor dining until restaurants are able to open at full capacity. The City provided and set up the dining area.



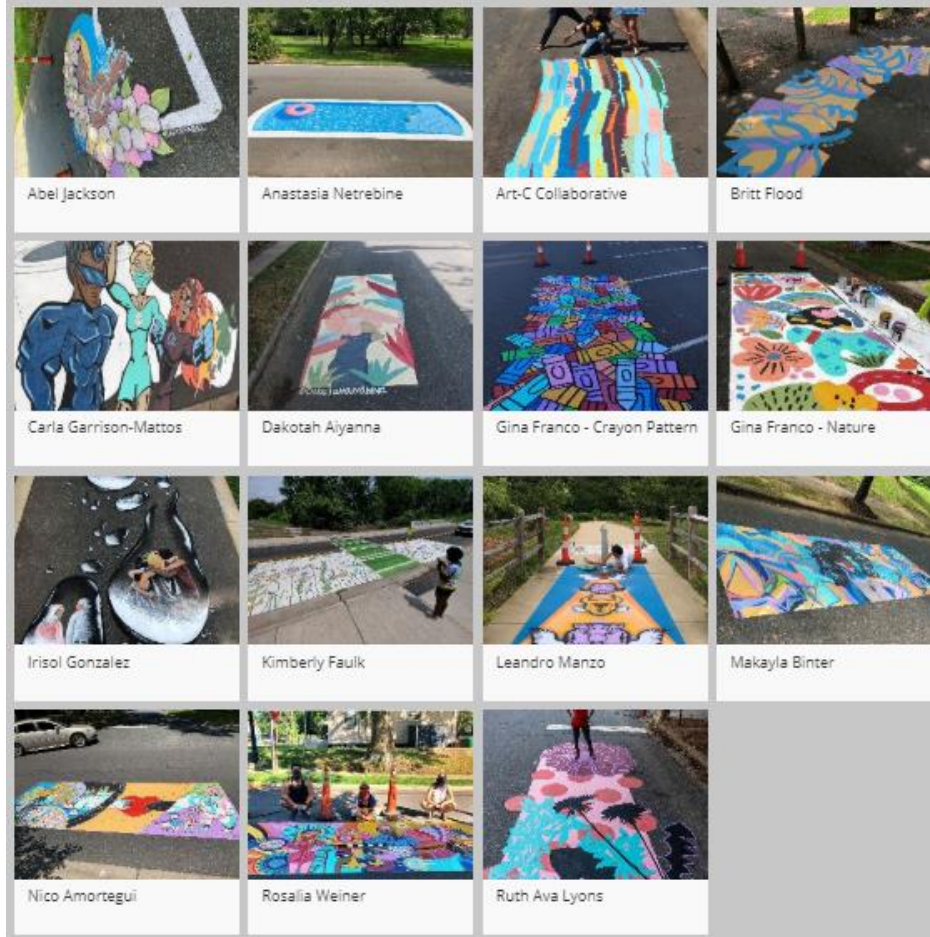
# Shared Street Murals

15 Neighborhoods - \$15,000 to Local Artists – One Month

## LOCATIONS

*(SS) indicates Shared Streets designation*

- 8th Street (SS)
- 35th Street (SS)
- Andrill Terrace (SS)
- Barringer Drive
- Crestdale Drive
- Enderly Road
- Harrill Street
- Lookout Point Drive
- Marney Ave
- Romany Road (SS)
- Sandy Rock Place
- Thomas Ave (SS)
- Wallace Road
- Westfield Road (SS)
- Wyanoke Ave

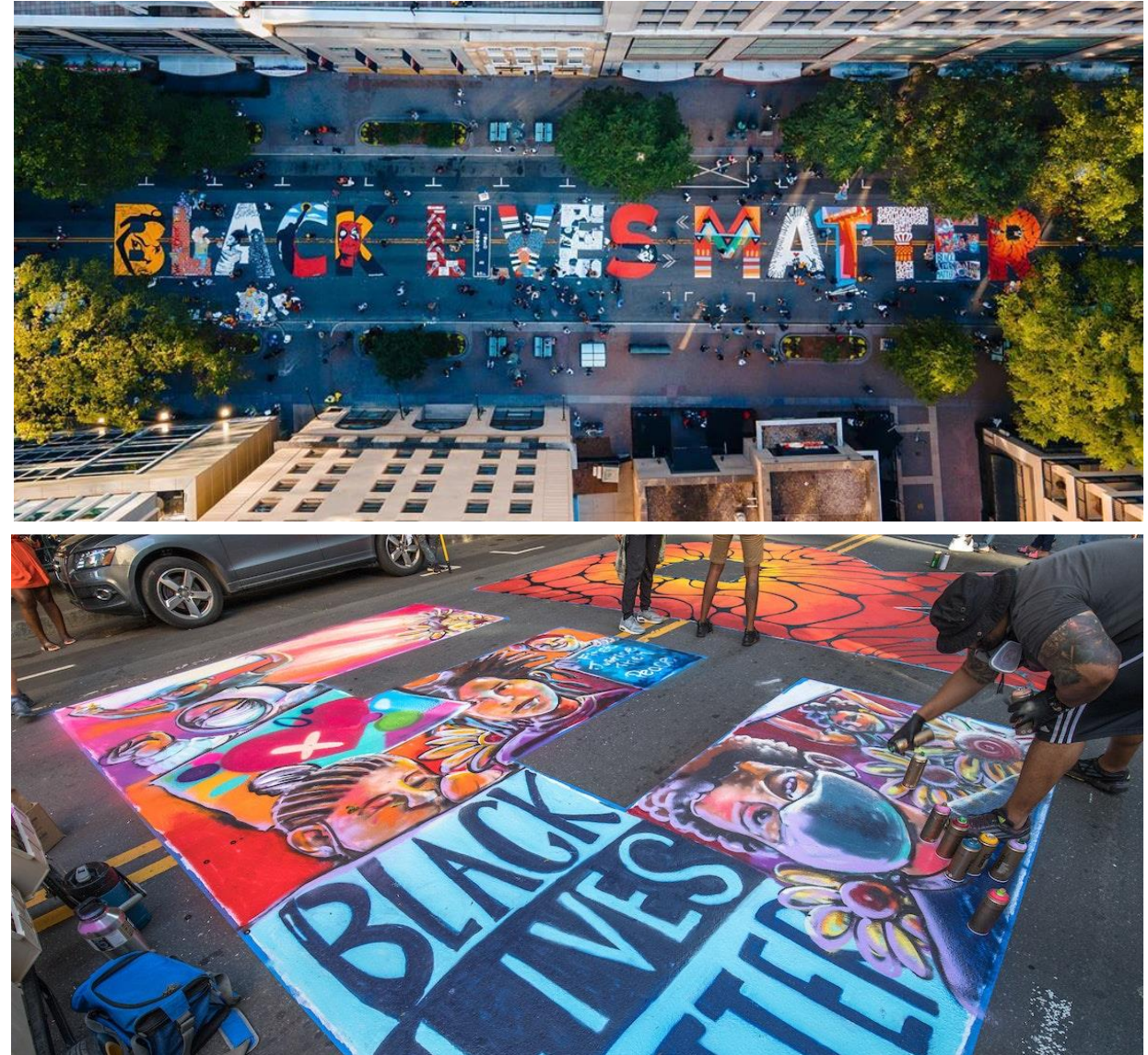


Local artist's from the City's Placemaking Artist Pool installed 15 concepts to capture the impact of COVID-19 and the resiliency and sustainability of our city... all during the month of June.



# Black Lives Matter Mural + Pilot Plaza

- Quick implementation
- Partnership with local organizations
- 17 local artists
- City Placemaking Program
- \$500 per artist per letter
- Block/Street closure Thru Sept. 30
- Community gathering place





# Black Lives Matter Murals in NC



## **Gastonia, NC**

Installed Jun 25<sup>th</sup>  
Multi-Artist  
Public Basketball Court  
Donation Funded



## **Fayetteville, NC**

Installed Jun 29<sup>th</sup>  
Volunteer Painted  
No Vehicular Access  
City Funded



## **Greensboro, NC**

Installed Jun 28<sup>th</sup>  
Multi-Artist  
3 Day Street Closure  
City Funded



## **Asheville, NC**

Installed July 19<sup>th</sup>  
Multi-Artist  
Vehicular Access  
Art Council Funded





# CATS

# Envision My Ride

**Launched in 2016** to redesign the current bus system by:

- Moving away from a hub-spoke network
- Developing a more frequent and direct bus network; Incremental and Aspirational
- Implementing improvements through a three phased approach: Structural, Frequency, & Reliability



## Structural

*March 2018      Opening of LYNX BLE*

- 22 existing routes adjusted
- 9 new routes established
- 4 new cross-town routes

*October 2018*

- 24 additional routes adjusted

## Frequency

*February 2020*

- Increase frequency on 4 routes to 15 minutes
- MetroRapid I-77



# Envision My Ride



## Reliability

- Will identify additional bus enhancements on major corridors
- Enhancements may include: Bus only lanes, queue jumper, transit signal priority, adjustments to bus stop amenities and spacing.
- Improve speed and reliability for proposed high frequency network
- Develop Mobility Hub program
- Kicked off effort in December 2019 with Bus/Bike Lane Pilot
- Study kick off planned for Fall 2020

# A New Day

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## **The Pandemic has created new questions and considerations**

- What does Transit look like during and post pandemic?
- Has highlighted the importance of essential service and workers
- There is a need for an essential services network plan.
- Proved how important our work is to a functioning society.
- Provides a unique opportunity to revision and rebuild our network not based solely on ridership but on value to the community
- Prior to covid, big changes would be incremental. Now, mobility can, will, and must change quickly.
- The need for passenger data is even more necessary.
- Social distancing must be considered in all aspects of planning ad operating.
- We must incorporate resiliency as a planning metric



# CATS Response to COVID-19

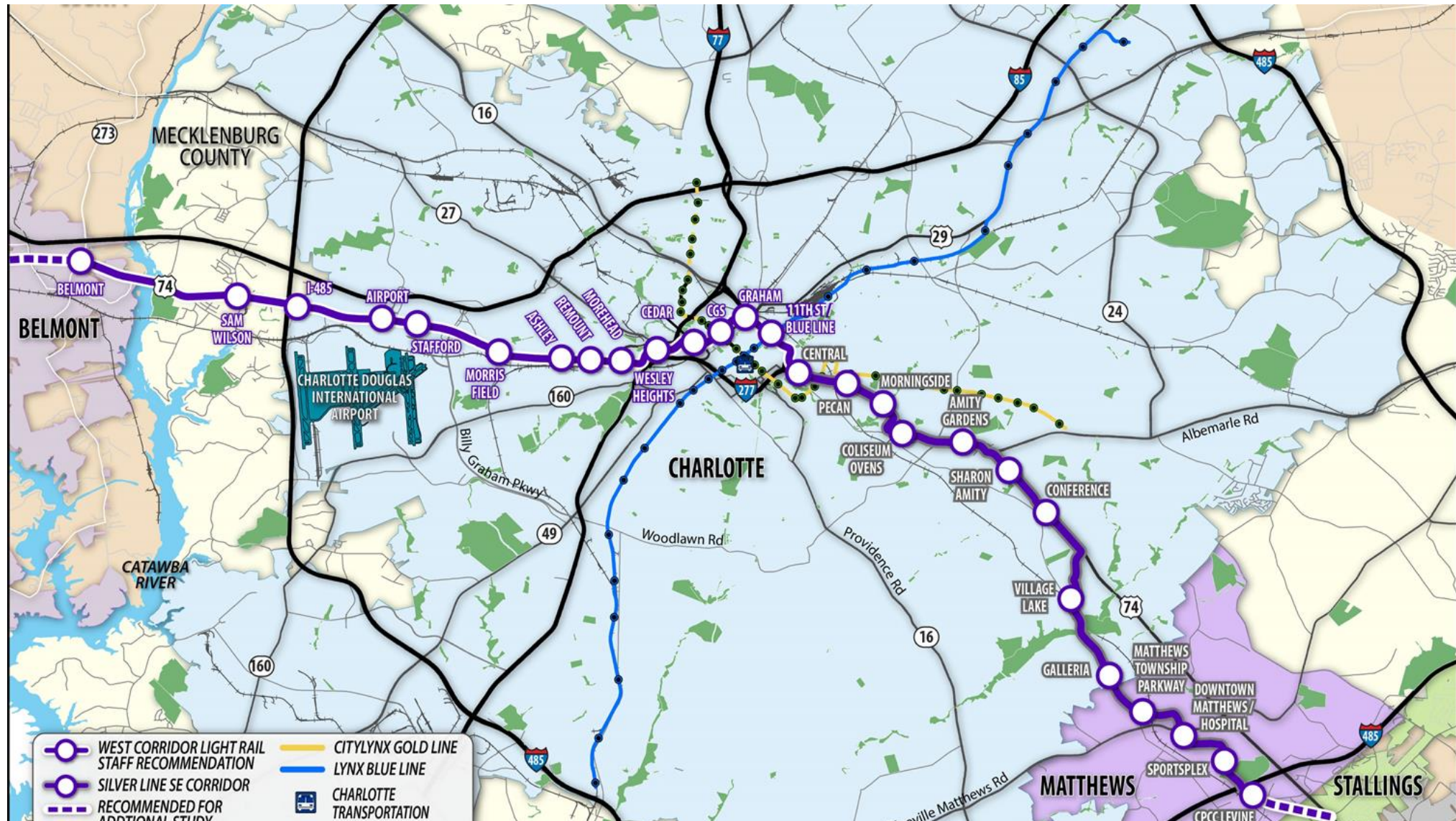
- **Service Changes for June and Beyond**

- CATS continues to track routes for trips carrying more than 20 people
- Developed June schedule that created more headway consistency on LYNX Blue Line and 10 bus routes: 5, 7, 8, 9, 10, 11, 16, 21, 27 and 34
- Increased service on the following Opportunity Corridors: Beatties Ford Rd, West Blvd, Central Ave, Albemarle Rd, Freedom Dr, Wilkinson Blvd, and North Tryon St
- Developing an essential services plan
- Creating a new bus network that is value driven with more frequency for today's ridership, but supports the mission of Charlotte 2040 and CATS 2030 Plans.



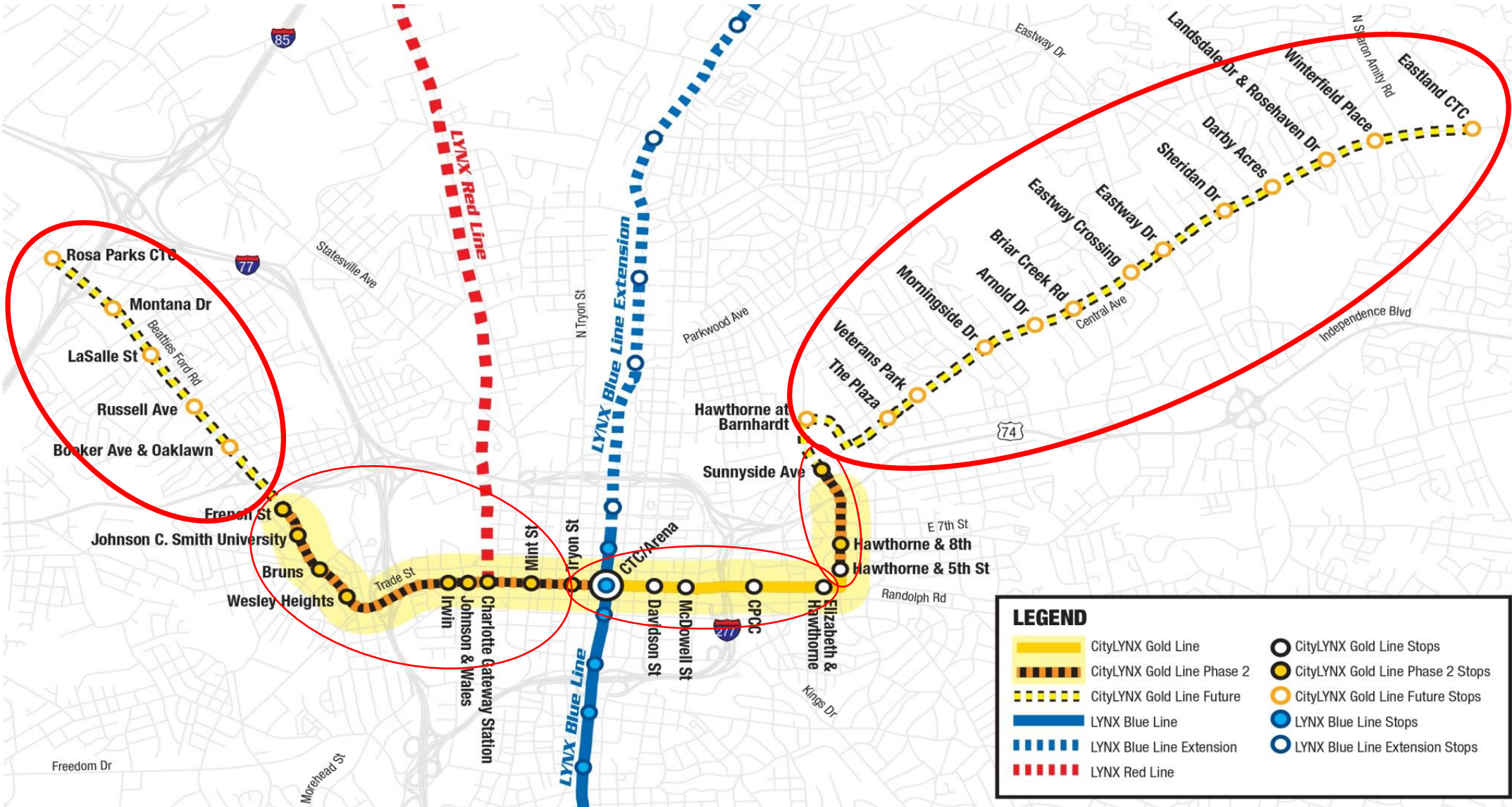


# LYNX Silver Line Project





# CityLYNX Gold Line



# Phase 3 – Work Plan

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- Environmental Document Update and Approval
- Assess Stop Locations to serve and promote continued Economic Development
- Assess Maintenance Facility Location and Design
- Refresh 30% Design
- Update Cost Estimate
- Seek Federal Funding to complete Design and Construction





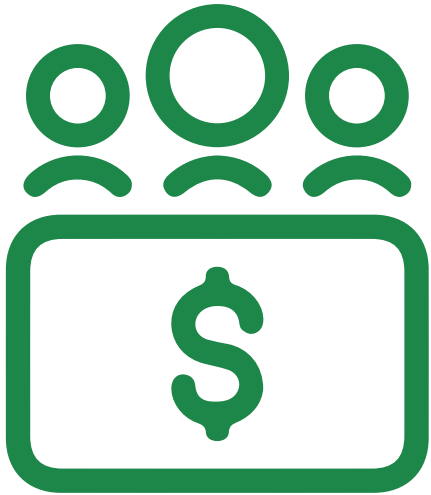


# CDOT

# Introduction

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Each year the NC General Assembly approves annual funding for maintaining the right-of-way of cities and towns



Highway Fund



Powell Bill Funds



Routine Maintenance



# What's Different This Year?

COVID-19 has had a drastic impact on public safety, transportation, healthcare, education, and public services.



FY2021 HB77, NCDOT Funding Bill



Powell Bill Program



FY2021 Resurfacing Program

# We've Got This Covered!

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Charlotte's Street System consists of 5,415 lane miles.



Charlotte's Street System



Proposed Budget Adjustments  
and Operational Adaptations



Reducing Amount  
of Capacity for  
Resurfacing Streets



# Here's The Good News!



The North Carolina Department of Transportation (NCDOT) administers a statewide asset maintenance program on state roadways within municipal jurisdictions.



Maintenance Agreements



NCDOT  
Reimburses Annually



FY2021  
Expenditures



**Thank You!**